INDEX

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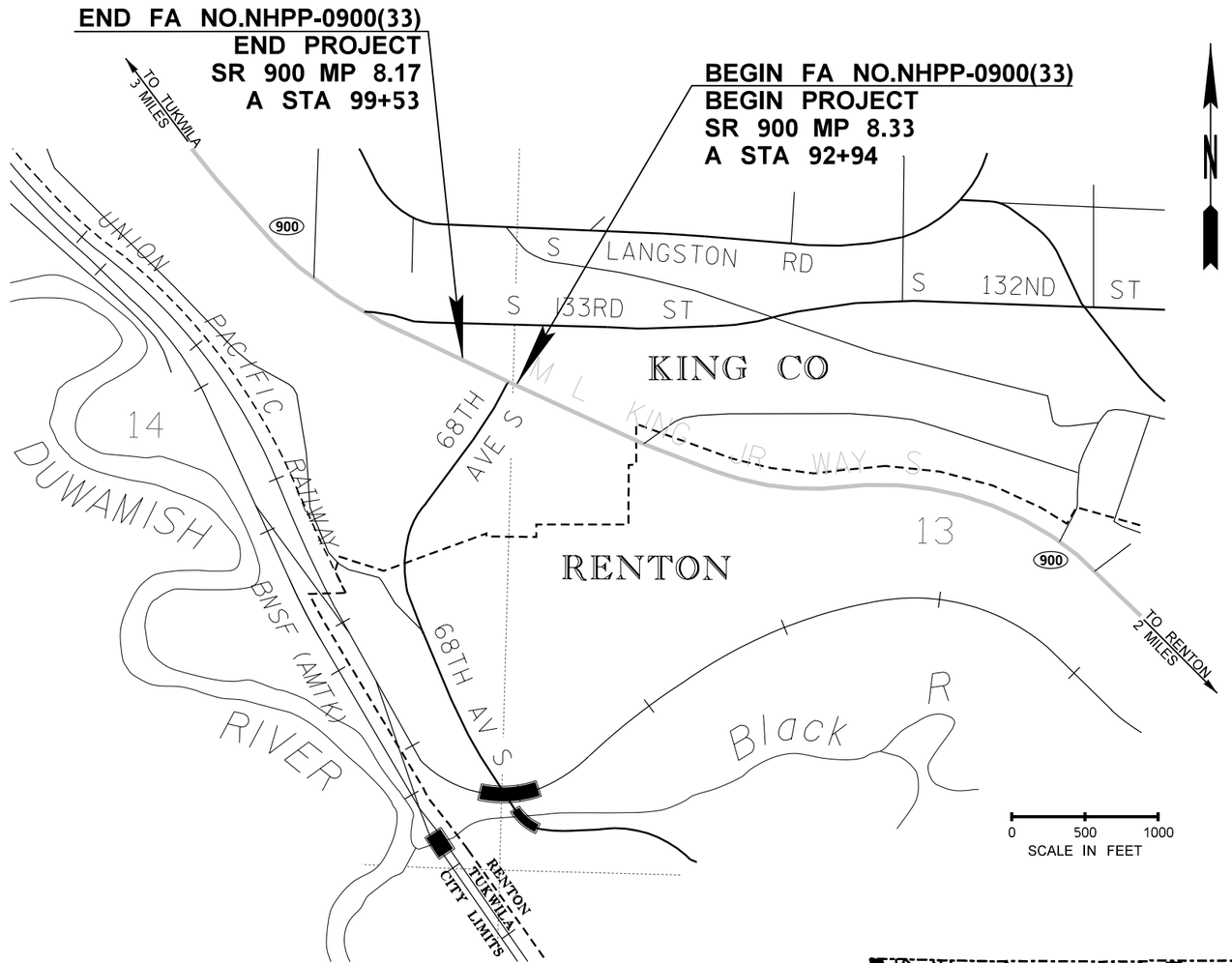
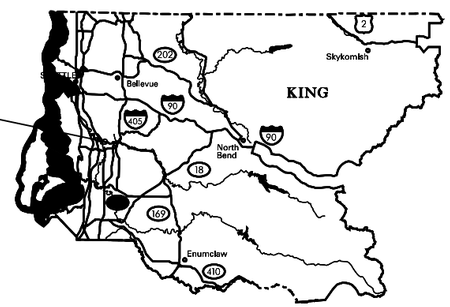
T 23 N. R 4 E. W.M.



PROJECT AREA



PLAN REFERENCE NO.
SHEET OF SHEETS

NOTE: ALL SHEET REFERENCES, FIRST NOS. OF STRUCTURE CODE DESIGNATIONS AND MATCH LINE SHEET REFERENCES, ETC., THROUGHOUT THE PLANS, REFER TO THE ENTRY IN THE PLAN REFERENCE NUMBER BOX.

FILE NAME	\\wsdot.loc\nw\CAE_DATA\412348\XL6312 - SR 900 Pedestrian Safety\CAD\ContractPlans\XL6312_PS_02VM.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. NHPP-0900(33)
TIME	5:05:04 PM						
DATE	6/2/2022				JOB NUMBER 21A028		
PLOTTED BY	poonk						
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	A. DANNEMILLER						
PROJ. ENGR.	C. ANDERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

INDEX / VICINITY MAP

Plot 1

PLAN REF NO VM1

SHEET 1 OF 30 SHEETS

PROJECT LICENSED PROFESSIONAL CERTIFICATES

Cullen Anderson Cullen Anderson Jun 23, 2022 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	*Ryan Leigh* Ryan Leigh Jun 23, 2022 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	*Christian Santiago* Christian Santiago Jun 23, 2022 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.
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NOTES:

THIS PLAN SET WAS DEVELOPED ELECTRONICALLY UNDER THE DIRECT SUPERVISION OF THE LICENSED PROFESSIONALS THAT HAVE AFFIXED THEIR SIGNATURE TO THIS PAGE.

THIS SHEET SERVES AS THE CERTIFICATION BY THE ABOVE LICENSED PROFESSIONALS OF ALL SHEETS IN THIS PLAN SET WHERE THEIR STAMPS AND SIGNATURES APPEAR.

SUMMARY OF QUANTITIES

ITEM NO	TOTAL QUANTITY	SUB-TOTAL * SECTION I-07.2(1) OF STANDARD SPECS	SUB-TOTAL ** SECTION I-07.2(2) OF STANDARD SPECS	STD. ITEM NO.	UNIT	ITEM	GROUP 1 SR 900 STA 92+95 TO STA 99+53 SIDEWALK	GROUP 2 THIRD PARTY DAMAGE
						PREPARATION		
1	LUMP SUM		LUMP SUM	0001	L.S.	MOBILIZATION	L.S.	
2	0.06		0.06	0025	ACRE	CLEARING AND GRUBBING	0.06	
3	1.00		1.00	0049	EACH	REMOVING DRAINAGE STRUCTURE	1.00	
4	58.00		58.00	0100	S.Y.	REMOVING CEMENT CONC. SIDEWALK	58.00	
5	5.00		5.00	0120	S.Y.	REMOVING ASPHALT CONC. PAVEMENT	5.00	
6	313.00		313.00	0140	L.F.	REMOVING ASPHALT CONC. CURB	313.00	
7	332.00		332.00	0170	L.F.	REMOVING GUARDRAIL	332.00	
8	1.00		1.00	0182	EACH	REMOVING GUARDRAIL ANCHOR	1.00	
9	584.00		584.00	0204	S.F.	REMOVING PLASTIC CROSSWALK LINE	584.00	
10	LUMP SUM		LUMP SUM	0215	L.S.	REMOVING MISCELLANEOUS TRAFFIC ITEM	L.S.	
						GRADING		
11	30.00		30.00	0310	C.Y.	ROADWAY EXCAVATION INCL. HAUL	30.00	
12	100.00		100.00	0431	TON	GRAVEL BORROW INCL. HAUL	100.00	
13	60.00		60.00	0470	C.Y.	EMBANKMENT COMPACTION	60.00	
						DRAINAGE		
14	4.00		4.00		EACH	CURB INLET W/ METAL COVER	4.00	
15	1.00		1.00	1053	EACH	GRATE INLET TYPE 1	1.00	
16	2.00		2.00	1086	TON	QUARRY SPALLS	2.00	
						STORM SEWER		
17	3.00		3.00	3090	EACH	CATCH BASIN TYPE 1L	3.00	
18	4.00		4.00	3091	EACH	CATCH BASIN TYPE 1	4.00	
19	572.00		572.00	3151	L.F.	TESTING STORM SEWER PIPE	572.00	
20	264.00		264.00	3602	L.F.	CORRUGATED POLYETHYLENE STORM SEWER PIPE 12 IN. DIAM.	264.00	
21	308.00		308.00	3567	L.F.	HIGH-DENSITY POLYETHYLENE (HDPE) PIPE 18 IN. DIAM.	308.00	
						SURFACING		
22	20.00		20.00	5100	TON	CRUSHED SURFACING BASE COURSE	20.00	
						EROSION CONTROL AND ROADSIDE PLANTING		
23	2.00		2.00	6403	DAY	ESC LEAD	2.00	
24	20.00		20.00	6463	L.F.	CHECK DAM	20.00	
25	9.00		9.00	6471	EACH	INLET PROTECTION	9.00	
26	284.00		284.00		L.F.	COMPOST SOCK FOR SOIL STABILIZATION	284.00	
27	25000.00		25000.00	6490	DOL	EROSION/WATER POLLUTION CONTROL	25,000.00	
28	36.00		36.00	6431	S.Y.	SEEDING, FERTILIZING AND MULCHING	36.00	
29	36.00		36.00	6483	S.Y.	FINE COMPOST	36.00	
30	415.00		415.00	6530	S.Y.	SOIL AMENDMENT	415.00	
31	415.00		415.00	6580	S.Y.	BARK OR WOOD CHIP MULCH	415.00	
32	265.00		265.00	6635	L.F.	HIGH VISIBILITY SILT FENCE	265.00	
						TRAFFIC		
33	457.00		457.00	6700	L.F.	CEMENT CONC. TRAFFIC CURB AND GUTTER	457.00	
34	332.00		332.00	6707	L.F.	CEMENT CONC. PEDESTRIAN CURB	332.00	
35	332.00		332.00	6757	L.F.	BEAM GUARDRAIL TYPE 31	332.00	

GROUP LEGEND

GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
1	900	171205	**	FEDERAL,GCB-3449
2	900	171205	**	STATE

DATE	REVISION	BY
01/03/22		

REGION	STATE
10	WA

JOB NUMBER **21A028/6**

CONTRACT NO **000000**

FEDERAL AID PROJECT. NO.
NHPP-0900(33)

Washington State
Department of Transportation

SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

SUMMARY OF QUANTITIES

SQ1

SHEET 3 OF 30 SHEETS

SUMMARY OF QUANTITIES

DOT_RGG900

6/23/2022

ITEM NO	TOTAL QUANTITY	SUB-TOTAL * SECTION I-07.2(1) OF STANDARD SPECS	SUB-TOTAL ** SECTION I-07.2(2) OF STANDARD SPECS	STD. ITEM NO.	UNIT	ITEM	GROUP 1 SR 900 STA 92+95 TO STA 99+53 SIDEWALK	GROUP 2 THIRD PARTY DAMAGE
36	1.00		1.00	6719	EACH	BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL	1.00	
37	304.00		304.00	7448	HR	TRANSPORTABLE ATTENUATOR	304.00	
38	8000.00		8000.00	7450	DOL	REPAIR TRANSPORTABLE ATTENUATOR	8,000.00	
39	7.00		7.00		EACH	DELINEATION PYLON	7.00	
40	584.00		584.00	6857	S.F.	PLASTIC CROSSWALK LINE	584.00	
41	8.00		8.00	6881	EACH	PLASTIC DRAINAGE MARKING	8.00	
42	1.00		1.00	6882	HUND	RAISED PAVEMENT MARKER TYPE 1	1.00	
43	LUMP SUM		LUMP SUM		L.S.	TRAFFIC SIGNAL AND ILLUMINATION SYSTEM	L.S.	
44	208.00		208.00	6956	HR	SEQUENTIAL ARROW SIGN	208.00	
45	200.00		200.00	6993	HR	PORTABLE CHANGEABLE MESSAGE SIGN	200.00	
46	LUMP SUM		LUMP SUM	6973	L.S.	OTHER TEMPORARY TRAFFIC CONTROL	L.S.	
47	800.00		800.00	6992	HR	OTHER TRAFFIC CONTROL LABOR	800.00	
48	LUMP SUM		LUMP SUM	6974	L.S.	TRAFFIC CONTROL SUPERVISOR	L.S.	
49	280.00		280.00	6976	HR	PATROL AND MAINTAIN TRAFFIC CONTROL MEASURES	280.00	
50	LUMP SUM		LUMP SUM	6869	L.S.	PEDESTRIAN TRAFFIC CONTROL	L.S.	
51	30.00		30.00	6822	L.F.	PLASTIC CROSSHATCH MARKING	30.00	
52	549.00		549.00	6818	L.F.	PLASTIC WIDE LINE	549.00	
53	16.00		16.00		HR	CONTRACTOR PROVIDED UNIFORMED LAW ENFORCEMENT	16.00	
						OTHER ITEMS		
54	LUMP SUM		LUMP SUM	7003	L.S.	TYPE B PROGRESS SCHEDULE	L.S.	
55	330.00		330.00	7006	C.Y.	STRUCTURE EXCAVATION CLASS B INCL. HAUL	330.00	
56	520.00		520.00	7008	S.F.	SHORING OR EXTRA EXCAVATION CLASS B	520.00	
57	110.00		110.00	7017	C.Y.	GRAVEL BACKFILL FOR PIPE ZONE BEDDING	110.00	
58	LUMP SUM		LUMP SUM	7038	L.S.	ROADWAY SURVEYING	L.S.	
59	LUMP SUM		LUMP SUM	7042	L.S.	ADA FEATURES SURVEYING	L.S.	
60	324.00		324.00	7055	S.Y.	CEMENT CONC. SIDEWALK	324.00	
61	33.00		33.00	7059	S.Y.	CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1	33.00	
62	1.00		1.00	7058	EACH	CEMENT CONC. CURB RAMP TYPE PARALLEL TYPE A	1.00	
63	16.00		16.00	7054	S.F.	DETECTABLE WARNING SURFACE	16.00	
64	1.00		1.00	3110	EACH	LOCKING SOLID METAL COVER AND FRAME FOR CATCH BASIN	1.00	
65	5000.00		5000.00	7715	DOL	FORCE ACCOUNT DRAINAGE REPAIR	5,000.00	
66	5000.00		5000.00	7715	DOL	FORCE ACCOUNT MINOR ELECTRICAL REPAIR WORK	5,000.00	
67	10000.00		10000.00	7480	DOL	ROADSIDE CLEANUP	10,000.00	
68	5.00		5.00	7725	DOL	REIMBURSEMENT FOR THIRD PARTY DAMAGE		5.00
69	-1.00		-1.00	7732	DOL	AGGREGATE COMPLIANCE PRICE ADJUSTMENT	-1.00	
70	LUMP SUM		LUMP SUM	7736	L.S.	SPCC PLAN	L.S.	

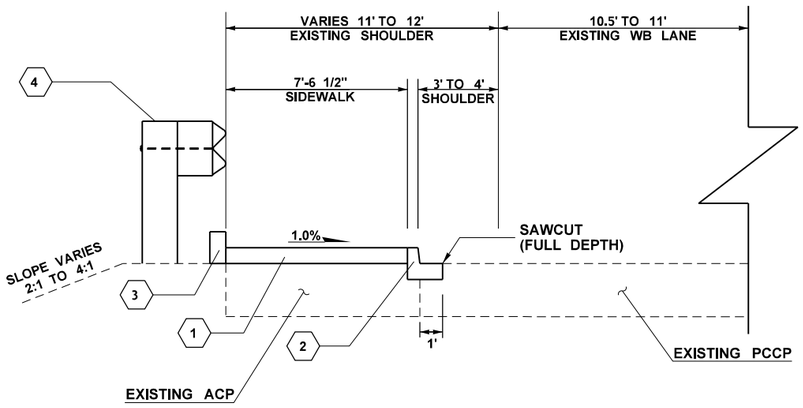
GROUP LEGEND

GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
1	900	171205	**	FEDERAL,GCB-3449
2	900	171205	**	STATE

01/03/22			REGION	STATE	FEDERAL AID PROJECT. NO.		Washington State Department of Transportation	SR 900 68TH AVE S VICINITY PEDESTRIAN SAFETY - PHASE 2
			10	WA	NHPP-0900(33)			SUMMARY OF QUANTITIES
			JOB NUMBER					
			21A028/6					
			CONTRACT NO					
DATE	REVISION	BY	000000					

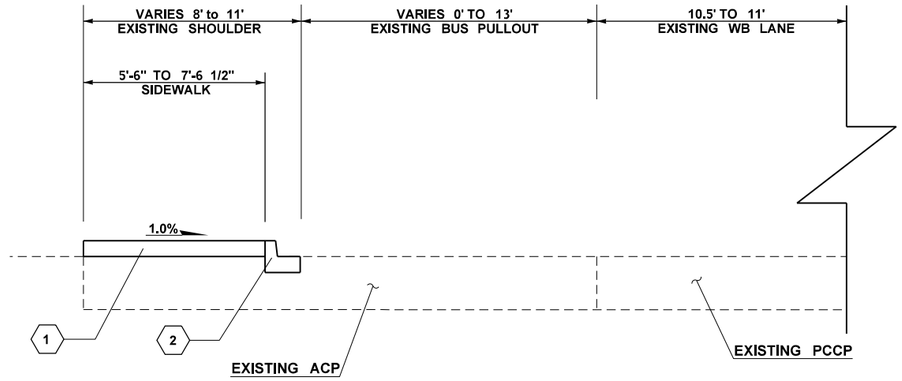
SQ2

SHEET 4 OF 30 SHEETS



ROADWAY SECTION A

A STA. 94+43.45 TO A STA. 97+43.12



ROADWAY SECTION B

A STA. 97+43.12 TO A STA. 98+79.69

LEGEND

1. CEMENT CONC. SIDEWALK
2. CEMENT CONC. TRAFFIC CURB AND GUTTER
3. CEMENT CONC. PEDESTRIAN CURB
4. BEAM GUARDRAIL TYPE 31

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. DETAILS ARE "NOT TO SCALE".
3. SEE PAVING/PAVEMENT MARKING PLAN, CURB RAMP PLANS, AND BUS LANDING PAD DETAILS FOR ADDITIONAL INFORMATION.

FILE NAME	\\wsdot.loc\nw\CAE_DATA\412348\XL6312 - SR 900 Pedestrian Safety\CAD\ContractPlans\XL6312_PS_05RS.dgn				REGION NO. 10	STATE WASH
TIME	5:05:08 PM					FED.AID PROJ.NO.
DATE	6/2/2022				JOB NUMBER 21A028	
PLOTTED BY	poonk					
DESIGNED BY	K. POON				CONTRACT NO.	LOCATION NO.
ENTERED BY	K. POON					
CHECKED BY	A. DANNEMILLER					
PROJ. ENGR.	C. ANDERSON					
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY		

CULLEN ANDERSON — STATE OF WASHINGTON — 20127 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1 DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

ROADWAY SECTION

Plot 1

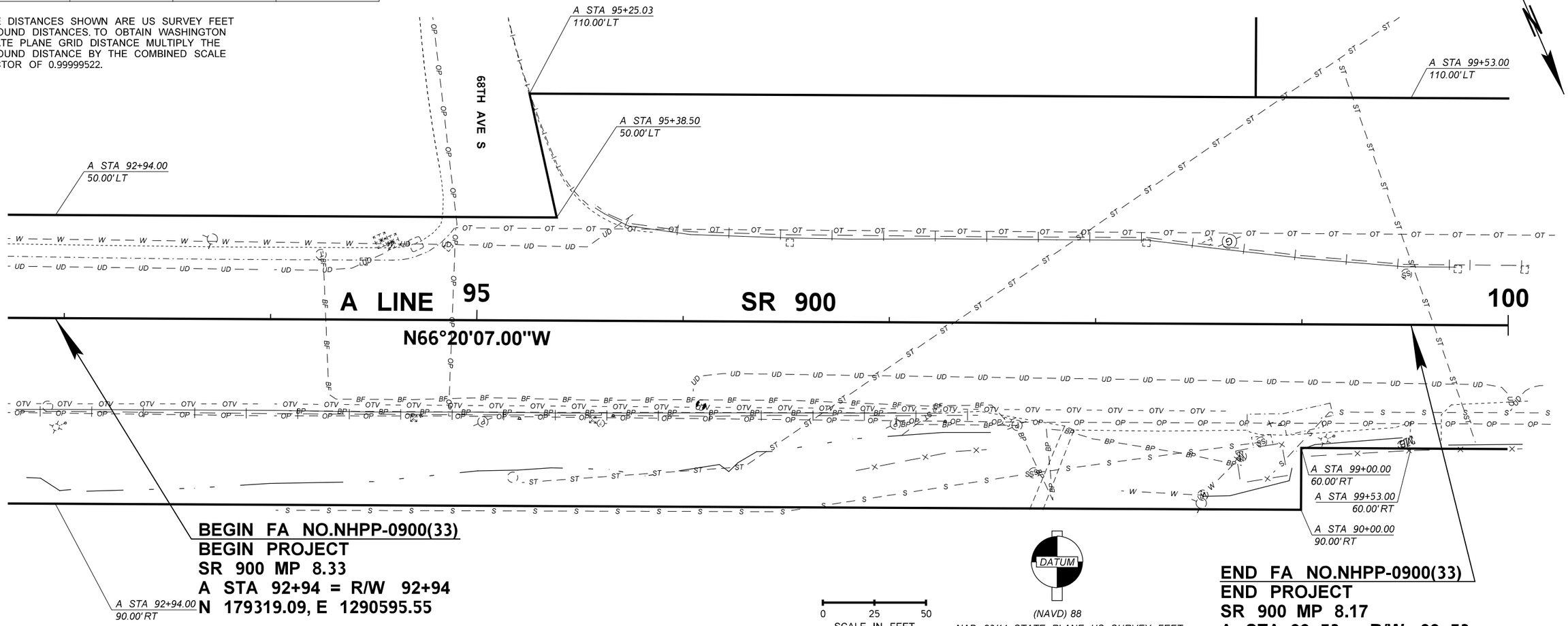
PLAN REF NO RS1

SHEET 5 OF 30 SHEETS

PRIMARY CONTROL TABLE			
DESIGNATION	NORTHING	EASTING	ELEVATION
GP17900-186	180010.103	1289039.338	236.486

THE DISTANCES SHOWN ARE US SURVEY FEET GROUND DISTANCES. TO OBTAIN WASHINGTON STATE PLANE GRID DISTANCE MULTIPLY THE GROUND DISTANCE BY THE COMBINED SCALE FACTOR OF 0.99999522.

T 23 N. R 4 E. W.M.



BEGIN FA NO.NHPP-0900(33)
BEGIN PROJECT
SR 900 MP 8.33
A STA 92+94 = R/W 92+94
N 179319.09, E 1290595.55

END FA NO.NHPP-0900(33)
END PROJECT
SR 900 MP 8.17
A STA. 99+53 = R/W 99+53
N 179583.60, E 1289991.96

0 25 50
SCALE IN FEET

DATUM
(NAVD) 88
NAD 83/11 STATE PLANE US SURVEY FEET

LEGEND

100 — ALIGNMENT & STATION	- OP — — OP — EXISTING POWER LINE - OVERHEAD	- ST — — ST — EXISTING STORM SEWER LINE	EXISTING UTILITY BOX; EXISTING MAILBOX
RIGHT OF WAY BOUNDARY	- BP — — BP — EXISTING POWER LINE - UNDERGROUND	EXISTING DITCH LINE	EXISTING GUY POLE; EXISTING SIGNAL POLE
EXISTING GUARDRAIL	- S — — S — EXISTING SANITARY SEWER LINE	EXISTING MANHOLE	EXISTING DOWN GUY ANCHOR; EXISTING JUNCTION BOX
EXISTING EDGE OF PAVED SHOULDER	- OT — — OT — EXISTING TELEPHONE CABLE - OVERHEAD	EXISTING CATCH BASIN	EXISTING UTILITY VAULT; LITTER RECEPTACLE
EXISTING CURB FACE	- W — — W — EXISTING WATER LINE	EXISTING FIRE HYDRANT	EXISTING POWER POLE; EXISTING SIGN
EXISTING FENCE	- OTV — — OTV - EXISTING CABLE - OVERHEAD	EXISTING WATER METER BOX	EXISTING SANITARY SEWER MANHOLE; EXISTING CONTROLLER CABINET
EXISTING PIEZOMETER	- BF — — BF — EXISTING FIBER OPTIC - UNDERGROUND	EXISTING TELEPHONE MANHOLE	EXISTING PEDESTRIAN PUSH BUTTON
	- UD — — UD — EXISTING UNDERDRAIN DRAIN	EXISTING WATER VALVE BOX	EXISTING LIGHT STANDARD SINGLE METAL

FILE NAME	\\wsdot.loc\nw\CAE_DATA\412348\XL6312 - SR 900 Pedestrian Safety\CAD\ContractPlans\XL6312_PS_10AL.dgn					
TIME	5:05:15 PM				REGION NO. 10	STATE WASH
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PLOTTED BY	poonk				JOB NUMBER 21A028	
DESIGNED BY	K. POON				CONTRACT NO.	LOCATION NO.
ENTERED BY	K. POON					
CHECKED BY	A. DANNEMILLER					
PROJ. ENGR.	C. ANDERSON					
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY		

QUILLEN ANDERSON — STATE OF WASHINGTON — 20127 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

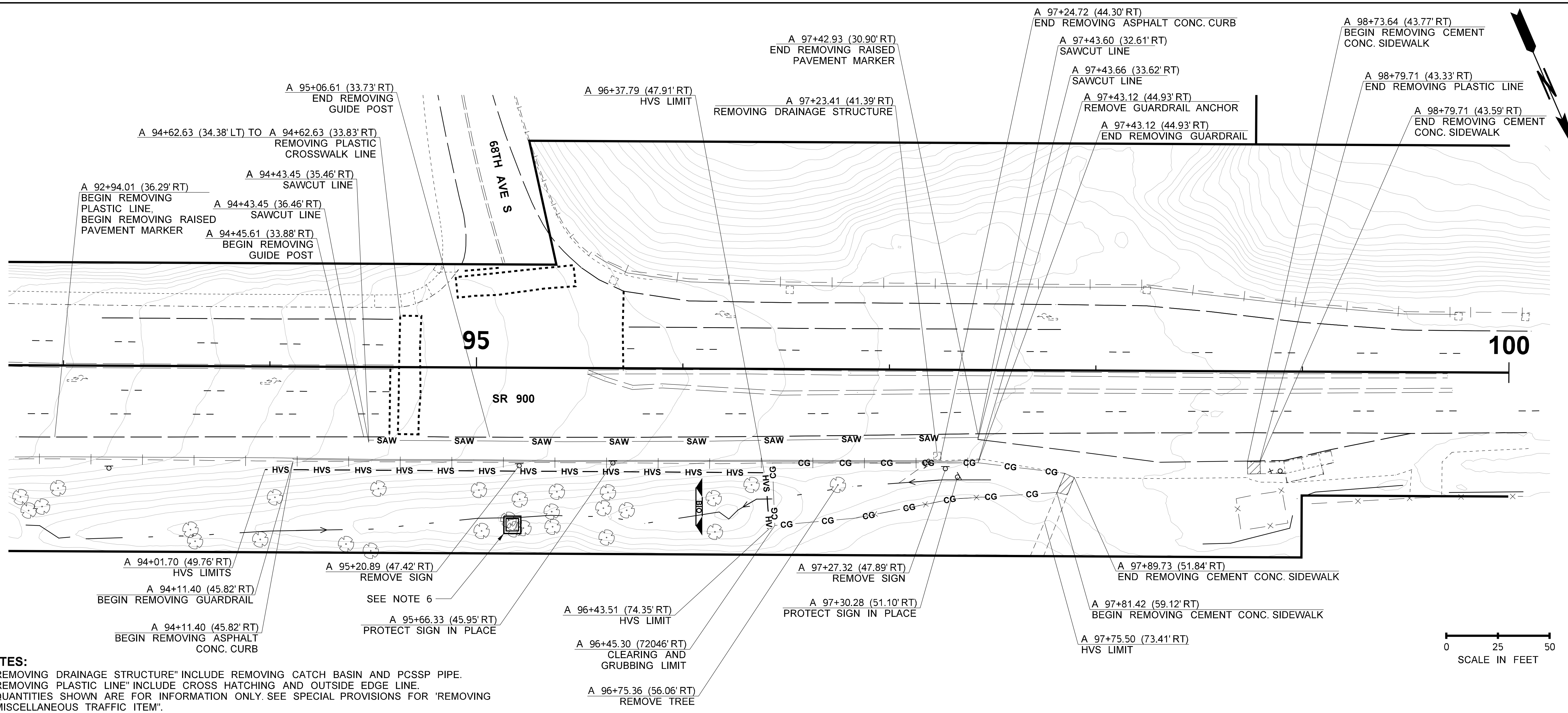
DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

ALIGNMENT / EXISTING UTILITY PLAN

Plot 1
PLAN REF NO AL1
SHEET 6 OF 30 SHEETS



NOTES:

1. "REMOVING DRAINAGE STRUCTURE" INCLUDE REMOVING CATCH BASIN AND PCSSP PIPE.
2. "REMOVING PLASTIC LINE" INCLUDE CROSS HATCHING AND OUTSIDE EDGE LINE.
3. QUANTITIES SHOWN ARE FOR INFORMATION ONLY. SEE SPECIAL PROVISIONS FOR 'REMOVING MISCELLANEOUS TRAFFIC ITEM".
4. SEE STD PLAN I-50.20 FOR BIODEGRADABLE CHECK DAM.
5. SEE STD PLAN I-40.20 FOR STORM DRAIN INLET PROTECTION.
6. QUANTITIES SHOWN APPLY TO THIS SHEET ONLY, SEE SNDR1 FOR ADDITIONAL INLET PROTECTION QUANTITIES.
7. SEE STD PLAN I-40.10 FOR TEMPORARY SILT FENCE FOR INLET PROTECTION IN UNPAVED AREAS.

LEGEND

Symbol	Description	Symbol	Description
— — — —	EXISTING SIDEWALK	(tree)	TREES
- - - - -	EXISTING PAVED EDGE	(piezometer)	PIEZOMETER
—X— —X—	EXISTING FENCE	(catch basin)	CATCH BASIN
— —I— —I—	EXISTING GUARDRAIL	(inlet protection)	INLET PROTECTION
- ST — — ST —	EXISTING STORM SEWER LINE	(hatched)	REMOVING CEMENT CONC. SIDEWALK
——— - -	EXISTING DITCH BOTTOM	- SAW ———	SAWCUT LINE
BIO	CHECK DAM	- CG —— CG ——	CLEARING AND GRUBBING BOUNDARY
(sign)	EXISTING SIGN	- HVS —— HVS ——	HIGH VISBILITY SILT FENCE

QUANTITIES FOR REMOVING MISCELLANEOUS TRAFFIC ITEM

ITEM	UNIT	QTY.
REMOVING GUIDE POST	EACH	3
REMOVING PLASTIC LINE	L.F	445
REMOVING RAISED PAVEMENT MARKER	HUND	1

SEE NOTE 3

QUANTITIES

STD.	ITEM	UNIT	QTY.	NOTE	STD.	ITEM	UNIT	QTY.	NOTE
0025	CLEARING AND GRUBBING	ACRE	0.06		0182	REMOVING GUARDRAIL ANCHOR	EACH	1	
0049	REMOVING DRAINAGE STRUCTURE	EACH	1	1	0204	REMOVING PLASTIC CROSSWALK LINE	S.F.	584	
0100	REMOVING CEMENT CONC. SIDEWALK	S.Y.	58		6463	CHECK DAM	L.F.	20	4
0140	REMOVING ASPHALT CONC. CURB	L.F.	313		6471	INLET PROTECTION	EACH	1	5, 6, 7
0170	REMOVING GUARDRAIL	L.F.	332		6635	HIGH VISIBILITY SILT FENCE	L.F.	265	

FILE NAME	T:\412348\XL6312 - SR 900 Pedestrian Safety\CAD\ContractPlans\XL6312_PS_10SP.dgn
TIME	3:07:29 PM
DATE	6/8/2022
PLOTTED BY	DannemA
DESIGNED BY	K. POON
ENTERED BY	K. POON
CHECKED BY	A. DANNEMILLER
PROJ. ENGR.	C. ANDERSON
REGIONAL ADM.	M. COTTEN

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.

JOB NUMBER 21A028

CONTRACT NO. | LOCATION NO.

CULLEN ANDERSON · STATE OF WASHINGTON · REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

SITE PREPARATION / TESC PLAN

Plot 1

PLAN REF NO SP1

SHEET 7 OF 30 SHEETS

STRUCTURE NOTES - DRAINAGE

NOTE:
THE FIRST NUMBER OF THE "CODE DESIGNATION" BELOW REFERS TO THE SHEET NO. OR THE SHEET REFERENCE NO. SHOWING THE DRAINAGE FEATURE.

THE SECOND NUMBER REFERS TO THE DRAINAGE FEATURE FOUND ON THAT SHEET.

CODE	LOCATION ↓ \ UNIT OF MEASURE →	CURB INLET W/ METAL COVER	GRATE INLET TYPE 1	QUARRY SPALLS		CATCH BASIN TYPE 1L	CATCH BASIN TYPE 1	TESTING STORM SEWER PIPE	CORRUGATED POLYETHYLENE STORM SEWER 12 IN. DIAM.	HIGH-DENSITY POLYETHYLENE (HDPE) PIPE 18 IN. DIAM.	INLET PROTECTION		STRUCTURE EXCAVATION CLASS B INCL. HAUL	SHORING OR EXTRA EXCAVATION CLASS B	GRAVEL BACKFILL FOR PIPE ZONE BEDDING	LOCKING SOLID METAL COVER AND FRAME FOR CATCH BASIN	SEE GENERAL NOTES
		EACH	EACH	TON		EACH	EACH	L.F.	L.F.	L.F.			C.Y.	S.F.	C.Y.	EACH	
DR1-1	A 94+24.78 (43.47' RT) TO A 94+34.70 (43.41' RT)		1					10	10		1		10		10		6, 7, 9, 10
DR1-2	A 94+34.70 (43.41' RT) TO A 95+16.70 (36.69' RT)						1	82	82		1		50		20		1, 2, 7, 9
DR1-3	A 95+16.70 (36.69' RT) TO A 95+72.70 (36.59' RT)	1					1	56	56		1		40		10		2, 7, 8, 9
DR1-4	A 95+72.70 (36.59' RT) TO A 96+35.70 (36.10' RT)	1					1	63	63		1		40		10		2, 7, 8, 9
DR1-5	A 96+35.70 (36.10' RT) TO A 96+88.70 (36.10' RT)	1					1	53	53		1		30		10		3, 7, 8, 9
DR1-6	A 96+88.70 (36.10' RT) TO A 98+21.85 (42.40' RT)	1				1		133		133	1		80		20		3, 7, 8, 9
DR1-7	A 98+21.85 (42.40' RT) TO A 98+16.03 (53.06' RT)					1		12		12	1		10		10		3, 5, 7, 9
DR1-8	A 98+16.03 (53.06' RT) TO A 96+53.20 (61.39' RT)			2		1		163		163	1		70	520	20	1	3, 4, 7, 9
	SHEET TOTAL	4	1	2		3	4	572	264	308	8		330	520	110	1	
	PROJECT TOTAL	4	1	2		3	4	572	264	308	8		330	520	110	1	

GENERAL NOTES:

1. SEE STD PLAN B-30.15 FOR ADA GRATES FOR RECTANGULAR FRAMES DETAILS.
2. SEE STD PLAN B-5.20 FOR CATCH BASIN TYPE 1 DETAILS.
3. SEE STD PLAN B-5.40 FOR CATCH BASIN TYPE 1L DETAILS.
4. SEE STD PLAN B-30.20 FOR RECTANGULAR SOLID METAL COVER DETAILS.
5. SEE STD PLAN B-30.30 FOR RECTANGULAR VANED GRATE DETAILS.
6. SEE STD PLAN B-40.20 FOR WELDED GRATES FOR GRATE INLET DETAILS.
7. SEE STD PLAN B-55.20 FOR PIPE ZONE BEDDING AND BACKFILL DETAILS.
8. SEE DD1 FOR CURB INLET W/ METAL COVER DETAILS.
9. SEE SP1 FOR ADDITIONAL INLET PROTECTION QUANTITIES.
10. SEE STD PLAN B-35.20 FOR GRATE INLET TYPE 1 (CAST-IN-PLACE) DETAILS.

DESIGNED BY	K. POON	03/03/22			
ENTERED BY	K. POON	03/03/22			
CHECKED BY	A. DANNEMILLER				
PROJ. ENGR.	C. ANDERSON				
REGION ADM.	M. COTTON				
		DATE	**DATE**	**REVISION**	**BY**

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	

JOB NUMBER 21A028

CONTRACT NO.

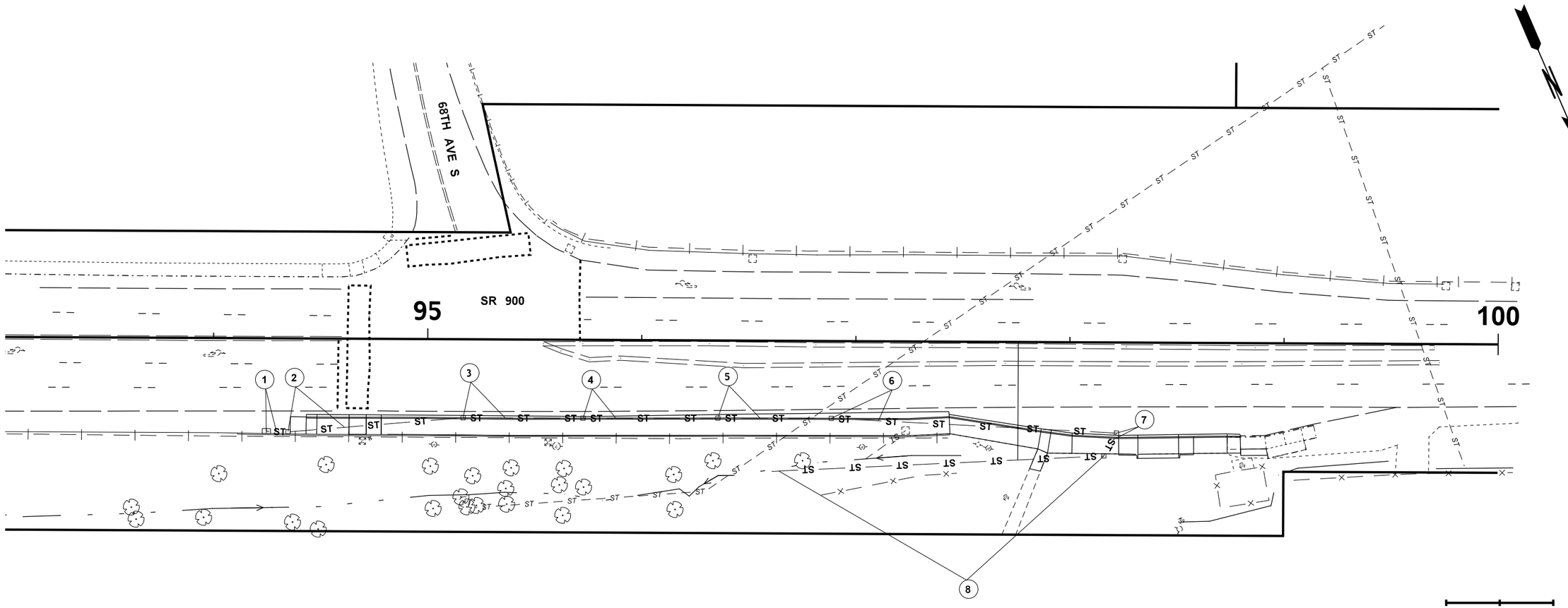
Washington State Department of Transportation

SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

STRUCTURE NOTES - DRAINAGE

SNDR 1

SHEET 8 **OF** 30 **SHEETS**



LEGEND

- ST —— ST —— ST – NEW STORM SEWER LINE	□ NEW CATCH BASIN
- ST — — ST — — EXISTING STORM SEWER LINE	⊡ EXISTING CATCH BASIN
——— EXISTING ASPHALT CURB	◌ EXISTING MANHOLE
- - - - - - - - - - EXISTING PAVED EDGE	⊟ NEW GRATE INLET
– – – – – – – – – – – EXISTING SIDEWALK	(#) STRUCTURE NOTE
——→ - - - EXISTING DITCH BOTTOM	
-I— —I— —I— —I— — EXISTING GUARDRAIL	

NOTES:

1. FOR DRAINAGE PROFILE, SEE DP1 SHEET.
2. FOR SIDEWALK AND DRIVEWAY LOCATIONS, SEE PV1 SHEET.

FILE NAME	\\wsdot.loc\nw\CAE_DATA\412348\XL6312 - SR 900 Pedestrian Safety\CAD\ContractPlans\XL6312_PS_17DR.dgn				REGION NO. 10 / STATE WASH	FED.AID PROJ.NO.
TIME	5:05:28 PM					
DATE	6/2/2022					
PLOTTED BY	poonk					
DESIGNED BY	K. POON				JOB NUMBER 21A028	
ENTERED BY	K. POON					
CHECKED BY	A. DANNEMILLER				CONTRACT NO.	LOCATION NO.
PROJ. ENGR.	C. ANDERSON					
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY		

QUILLEN ANDERSON — STATE OF WASHINGTON — 20127 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1 DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

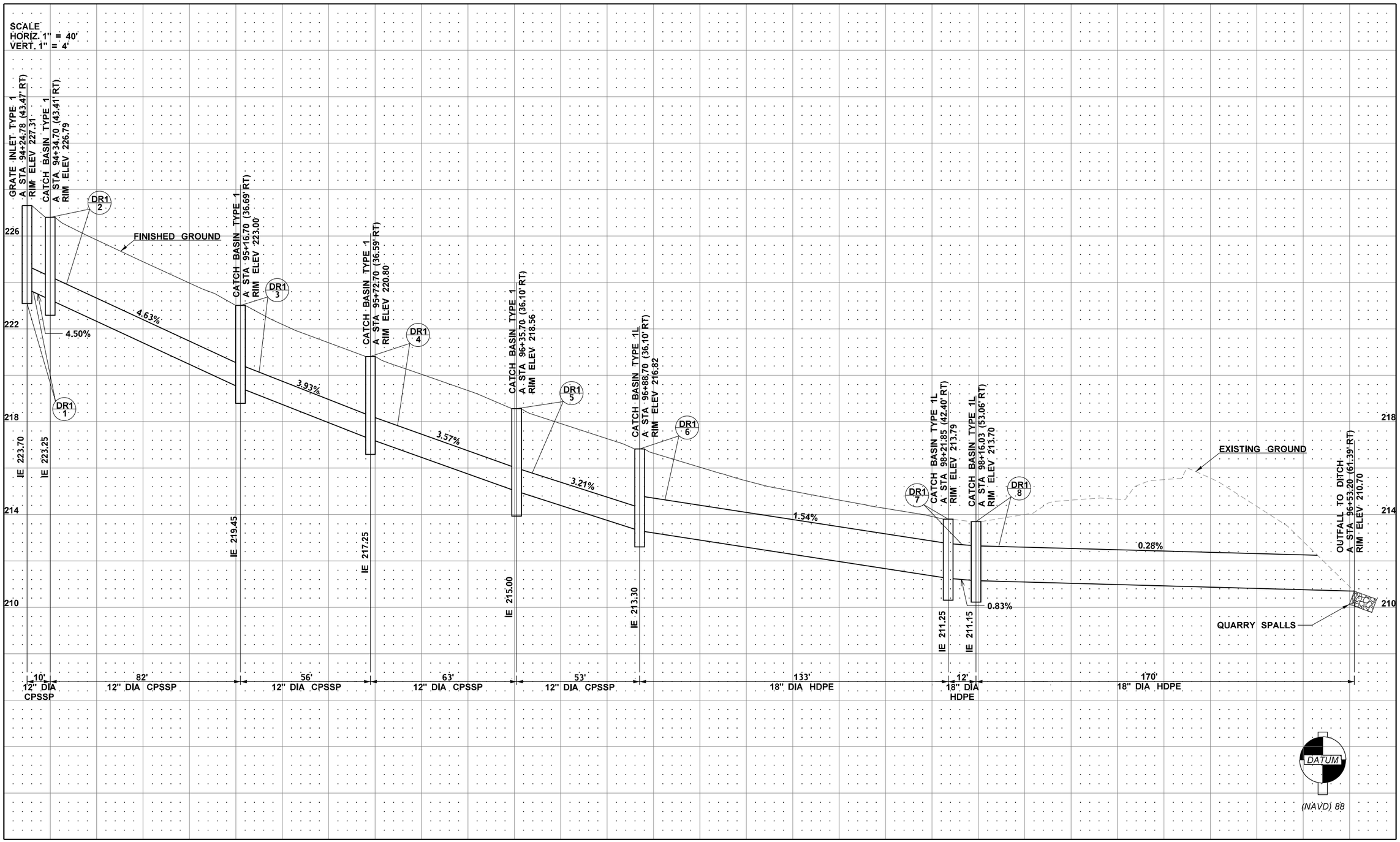
Washington State Department of Transportation

SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

DRAINAGE PLAN

Plot 1
PLAN REF NO **DR1**
SHEET 9 OF 30 SHEETS

SCALE
HORIZ. 1" = 40'
VERT. 1" = 4'



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TIME	5:05:29 PM				10	WASH	
DATE	6/2/2022				JOB NUMBER		
PLOTTED BY	poonk				21A028		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	A. DANNEMILLER						
PROJ. ENGR.	C. ANDERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

KILLEN ANDERSON — STATE OF WASHINGTON — 20127 — PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
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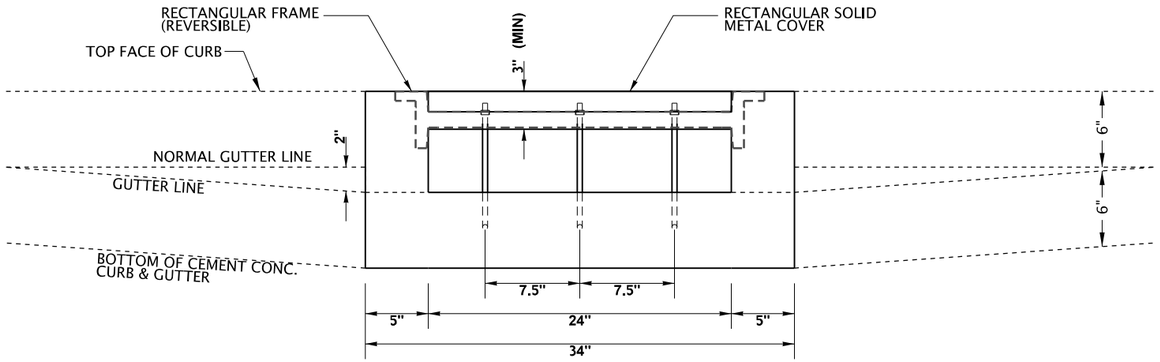
Washington State
Department of Transportation

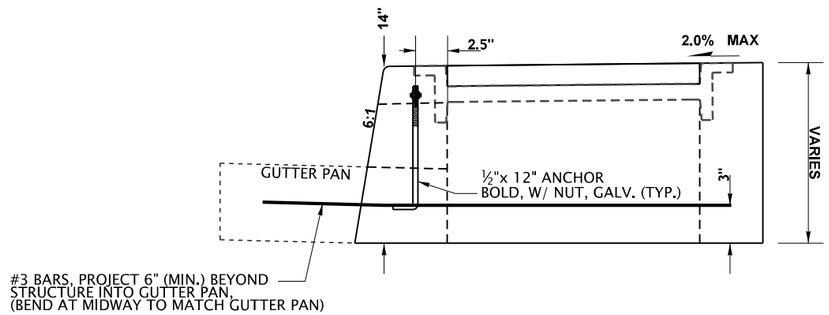
SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

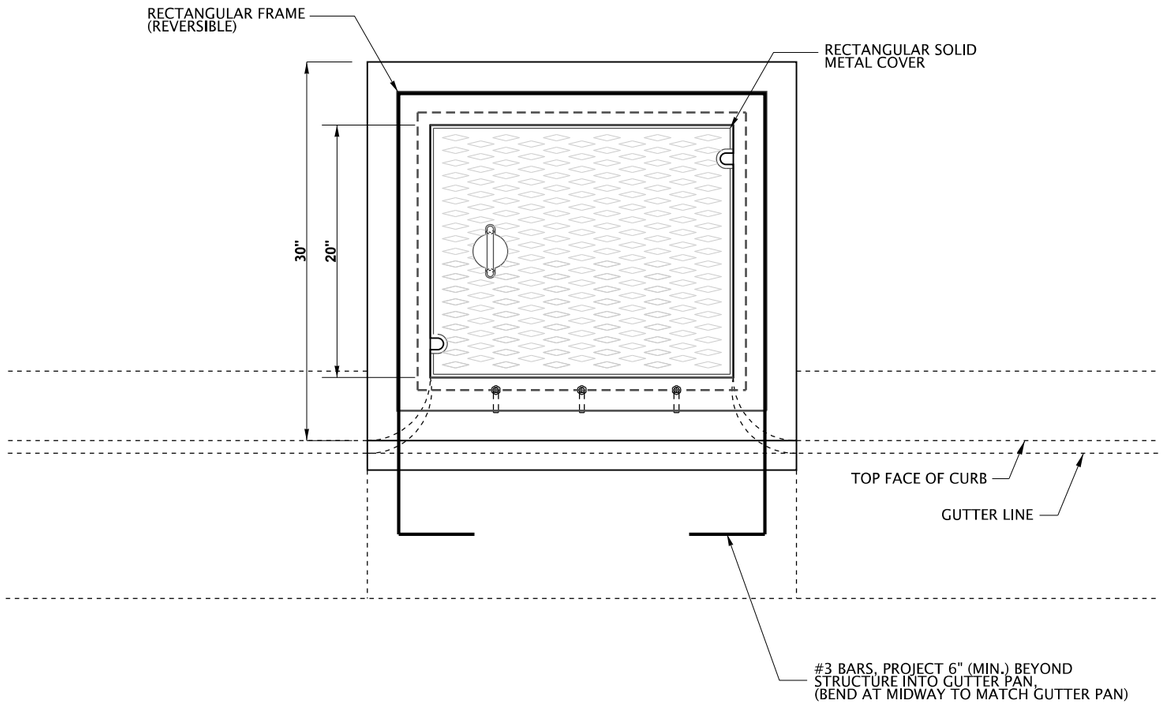
DRAINAGE PROFILE

PLAN REF. NO.
DP1

SHEET
10
OF
30
SHEETS







CURB INLET W/ METAL COVER

SHEET 1 OF 1 SHEET

GENERAL NOTES:
1. ALL CONCRETE SHALL BE COMMERCIAL GRADE CONCRETE.
2. INLET TOP MAY BE CAST-IN-PLACE OR PRECAST. ALL PRECAST INLETS SHALL CONFORM TO REQUIREMENTS OF ASTM C913.
3. ALL REINFORCEMENT SHALL BE 2" CLEAR OF NEAREST FACE OF CONC., UNLESS OTHERWISE SHOWN.
4. SEE STANDARD PLAN B-30.10 FOR RECTANGULAR FRAME (REVERSIBLE).
5. SEE STANDARD PLAN B-30.20 FOR RECTANGULAR SOLID METAL COVER.
6. SEE STANDARD PLAN B-5.20 FOR TYPE 1 CATCH BASIN PRE-CAST BASE SECTION.

FILE NAME	\\wsdot.loc\nw\CAE_DATA\412348\XL6312 - SR 900 Pedestrian Safety\CAD\ContractPlans\XL6312_PS_19DD.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	5:05:32 PM				10	WASH	
DATE	6/2/2022				JOB NUMBER		
PLOTTED BY	poonk				21A028		
DESIGNED BY	C. ANDERSON				CONTRACT NO.		LOCATION NO.
ENTERED BY	C. ANDERSON						
CHECKED BY	C. LY						
PROJ. ENGR.	C. ANDERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

CULLEN ANDERSON — STATE OF WASHINGTON — 20177 — PROFESSIONAL ENGINEER

SEE SHEET CT1 — DATE — P.E. STAMP BOX

DATE — P.E. STAMP BOX

Washington State Department of Transportation

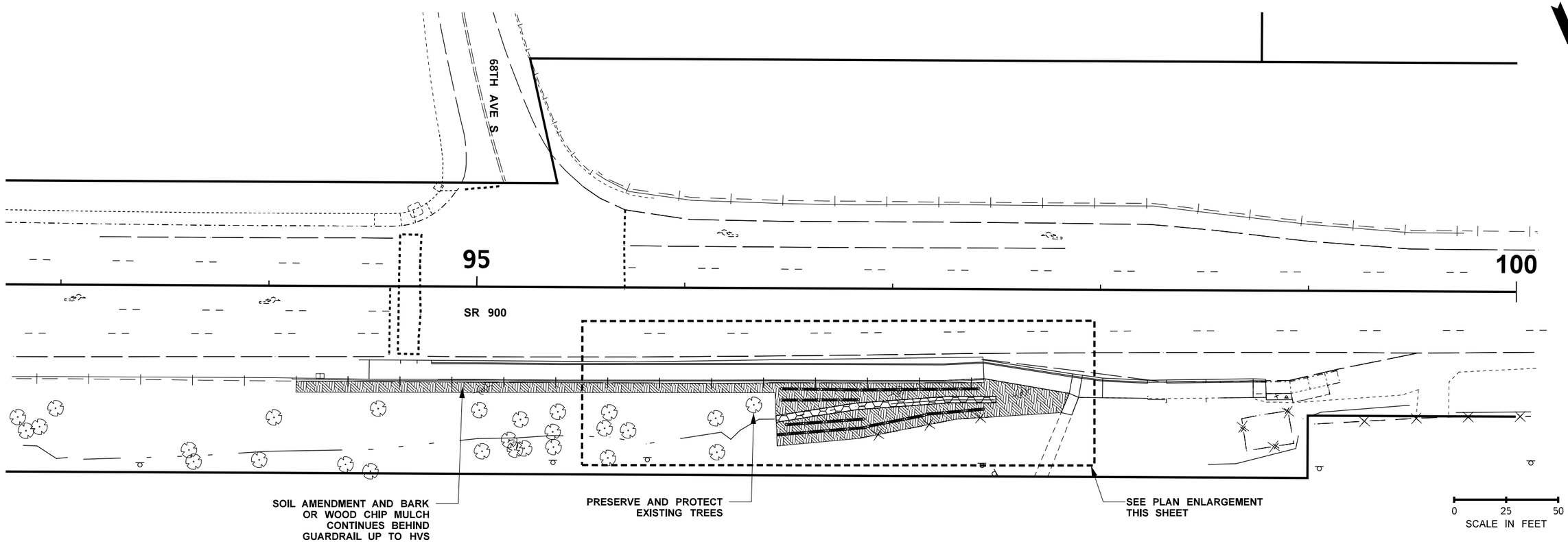
SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

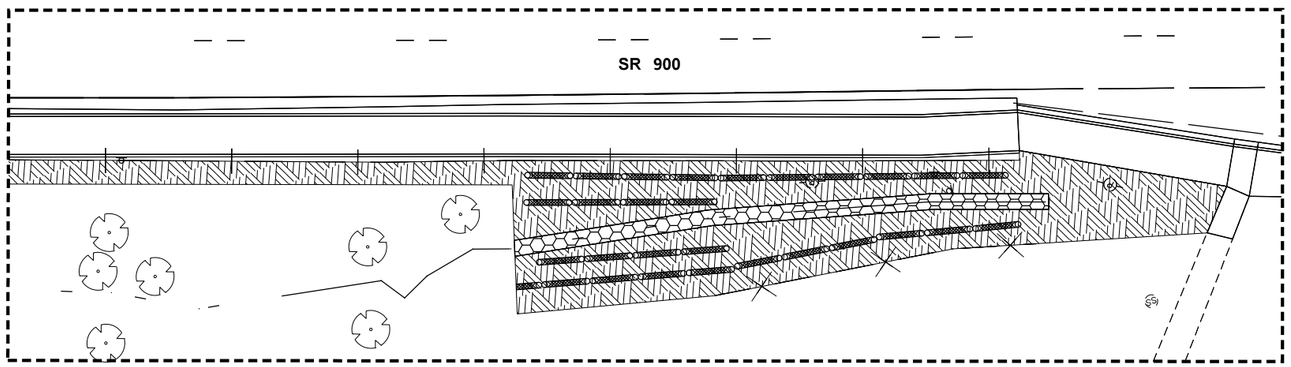
DRAINAGE DETAILS

Plot 1

PLAN REF NO
DD1

SHEET 11 OF 30 SHEETS





PLAN ENLARGEMENT

PLANTING AREA SOIL PREPARATION - QUANTITY TAB		
SYMBOL	ITEM	QTY
	SOIL AMENDMENT - 3 IN DEPTH (SY)	415
	BARK OR WOOD CHIP MULCH - 3 IN DEPTH (SY)	415
	COMPOST SOCK FOR SOIL STABILIZATION- 12 IN. DIA. (LF)	284
SEEDING, FERTILIZING & MULCHING		
SYMBOL	ITEM	QTY
	EROSION CONTROL SEED MIX (SY)	36
	FINE COMPOST- 3 IN. (SY)	36

SOIL PREPARATION NOTES:

1. PRESERVE AND PROTECT EXISTING TREES IN ACCORDANCE WITH SECTION 1-07.16(2).
2. DO NOT INCORPORATE SOIL AMENDMENT UNDER DRIP LINE OF EXISTING TREES TO BE SAVED AND PROTECTED.
3. ONCE FINE COMPOST OR SOIL AMENDMENT IS COMPLETE, NO EQUIPMENT SHALL BE ALLOWED WITHIN THE PLANTING AREA SOIL PREPARATION.

LEGEND

- EXISTING SIDEWALK
- EXISTING PAVED EDGE
- EXISTING FENCE
- EXISTING GUARDRAIL
- EXISTING POWER POLE
- EXISTING DITCH BOTTOM
- EXISTING SIGN
- PRESERVE AND PROTECT EXISTING TREES

FILE NAME	T:\412006\XL6312 SR 900 68th Ave Ped Safety Phase 2\CAD\ContractPlans\XL6312_PS_LS_AD.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:24:29 AM				10	WASH	
DATE	6/9/2022				JOB NUMBER		
PLOTTED BY	BenneNR				21A028		
DESIGNED BY	H. MACKAY				CONTRACT NO.		LOCATION NO.
ENTERED BY	N. BENNETT						
CHECKED BY	L. JUNGBLUTH						
PROJ. ENGR.	C. ANDERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

STATE OF WASHINGTON RYAN C. LEIGH NO. 1188 EXP. 10/26/2022 LICENSED LANDSCAPE ARCHITECT

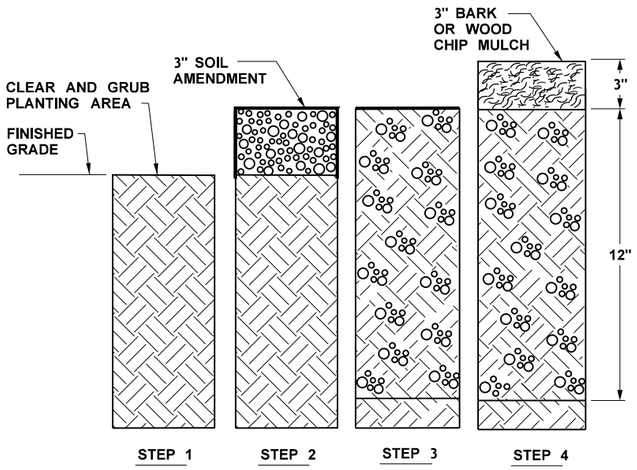
SEE SHEET CT1
DATE

Washington State Department of Transportation

SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

SOIL PREPARATION PLAN

Plot 1
SPP1
SHEET 12 OF 30 SHEETS



PLANTING AREA PREPARATION
(SEE SPECIAL PROVISIONS)

STEP 1

CLEARING AND GRUBBING

STEP 2

PLACE 3" SOIL AMENDMENT

STEP 3

INCORPORATE SOIL AMENDMENT TO 12" DEPTH ACCORDING TO THE SPECIAL PROVISIONS

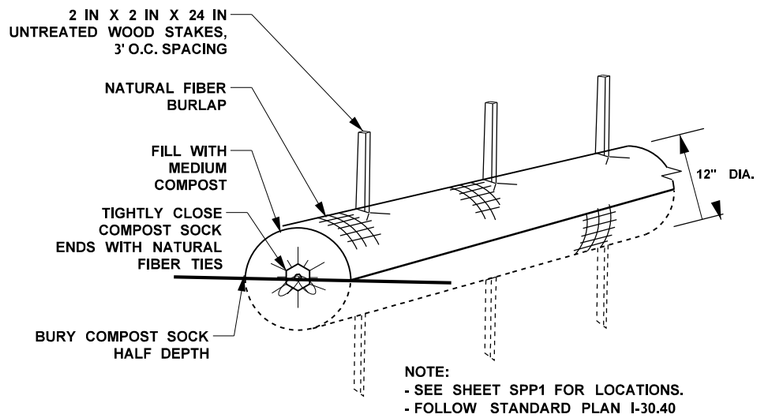
STEP 4

INSTALL BARK OR WOOD CHIP MULCH 3" DEEP (SEE PLANTING DETAIL IN STANDARD PLANS)

PLANTING AREA SOIL PREPARATION - SEQUENCE OF WORK

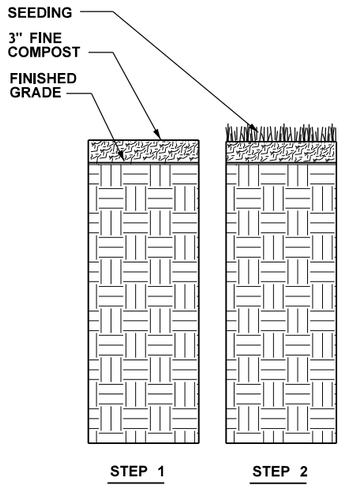
SECTION VIEW

NOT TO SCALE



COMPOST SOCK FOR SOIL STABILIZATION

NOT TO SCALE



PLANTING AREA PREPARATION
(SEE SPECIAL PROVISIONS)

STEP 1

PLACE 3" FINE COMPOST ACCORDING TO THE PLANS.

STEP 2

INSTALL SEEDING, FERTILIZING AND MULCHING ACCORDING TO THE PLANS AND SPECIAL PROVISIONS.

SEEDING AREA SOIL PREPARATION

SECTION VIEW

NOT TO SCALE

FILE NAME	T:\412006\XL6312 SR 900 68th Ave Ped Safety Phase 2\CAD\ContractPlans\XL6312_PS_LS_AD.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:28:51 AM				10	WASH	
DATE	6/9/2022				JOB NUMBER		
PLOTTED BY	BenneNR				21A028		
DESIGNED BY	H. MACKAY				CONTRACT NO.		LOCATION NO.
ENTERED BY	N. BENNETT						
CHECKED BY	L. JUNGBLUTH						
PROJ. ENGR.	C. ANDERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

STATE OF WASHINGTON · RYAN C. LEIGH · No. 11918 · EXP. 10/28/2022 · LICENSED LANDSCAPE ARCHITECT

SEE SHEET CT1
DATE

Washington State
Department of Transportation

SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

SOIL PREPARATION DETAILS

SPD1

SHEET 13 OF 30 SHEETS

QUANTITY TABULATION - PAVEMENT MARKING

NOTE:
THE FIRST NUMBER OF THE "CODE" BELOW REFERS TO THE SHEET NO. OR THE SHEET REFERENCE NO. SHOWING THE CONSTRUCTION FEATURE.

THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THAT SHEET.

CODE	LOCATION ↓ \ UNIT OF MEASURE →	DELINEATION PYLON	PLASTIC CROSSWALK LINE		PLASTIC DRAINAGE MARKING	RAISED PAVEMENT MARKER TYPE 1		PLASTIC CROSSHATCH MARKING	PLASTIC WIDE LINE								SEE GENERAL NOTES
		EACH	S.F.		EACH	HUND		L.F.									
	A 92+94.01 (36.31' RT) TO A 94+35.64 (36.46' RT)							30	142								2, 4, 5, 6, 8
	A 92+95.65 (34.64' RT) TO A 94+55.62 (33.83' RT)					1			140								2, 3, 5, 8
	A 93+04.97 (35.48' RT) TO A 94+24.98 (35.22' RT)	7															7, 9
	A 94+24.78 (36.44' RT)				1												4, 8
	A 94+34.70 (36.46' RT)				1												4, 8
	A 94+62.63 (34.38' LT) TO A 94+89.18 (33.83' RT)		584														1, 8
	A 94+76.61 (33.64' RT) TO A 97+43.59 (30.89' RT								267								2 , 5, 8
	A 95+16.70 (33.69' RT)				1												4, 8
	A 95+72.70 (33.44' RT)				1												4, 8
	A 96+35.70 (32.72' RT)				1												4, 8
	A 96+88.70 (31.89' RT)				1												4, 8
	A 98+16.03 (53.06' RT)				1												4, 8
	A 98+21.85 (42.40' RT)				1												4, 8
	SHEET TOTAL	7	584		8	1		30	549								
	PROJECT TOTAL	7	584		8	1		30	549								

GENERAL NOTES:

1. SEE STD PLAN M-15.10 FOR CROSSWALK LAYOUT.
2. SEE STD PLAN M-20.10 FOR LOGITUDINAL MARKING PATTERNS.
3. SEE PV1 FOR RAISED PAVEMENT MARKERS SPACING.
4. SEE STD PLAN M-24.60 FOR SYMBOL MARKING MISCELLANEOUS.
5. PLASTIC WIDE LINE INCLUDE EDGE LINE.
6. SEE PV1 FOR CROSSHATCHES SPACING.
7. SEE PV1 FOR DELINEATION PYLONS SPACING.
8. ALL REPLACED PAVEMENT MARKINGS SHALL BE PLASTIC TYPE D PER STD. SPEC 9-34.4(4), REGARDLESS OF THE ORIGINAL MATERIAL TYPE.
9. DELINEATION PYLONS SHALL BE WHITE IN COLOR AND USE WHITE REFLECTIVE SHEETING.

				REGION NO.	STATE	FED. AID PROJ. NO.	
				10	WASH		
DESIGNED BY	K. POON	03/22/22					
ENTERED BY	K. POON	03/22/22		**JOB NUMBER**			
CHECKED BY	A. DANNEMILLER			21A028			
PROJ. ENGR.	C. ANDERSON			**CONTRACT NO.**			
REGION ADM.	M. COTTON						
		DATE	**DATE**	**REVISION**		**BY**	

Washington State Department of Transportation

SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

QUANTITY TABULATION - PAVEMENT MARKING

QTPM 1

SHEET 14 **OF** 30 **SHEETS**

QUANTITY TABULATION - PAVING

NOTE:
THE FIRST NUMBER OF THE "CODE" BELOW REFERS TO THE SHEET NO. OR THE SHEET REFERENCE NO. SHOWING THE CONSTRUCTION FEATURE.

THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THAT SHEET.

CODE	LOCATION ↓ \ UNIT OF MEASURE →	CEMENT CONC. TRAFFIC CURB AND GUTTER	CEMENT CONC. PEDESTRIAN CURB		BEAM GUARDRAIL TYPE 31	BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL		CEMENT CONC. SIDEWALK	CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1	CEMENT CONC. CURB RAMP TYPE PARALLEL TYPE A		DETECTABLE WARNING SURFACE					SEE GENERAL NOTES
		L.F.	L.F.		L.F.	EACH		S.Y.	S.Y.	EACH		S.F.					
PV1-1	A 94+11.40 (45.83' RT) TO A 97+43.12 (44.93' RT)		332		332												1, 3, 4
PV1-2	A 94+43.45 (35.47' RT) TO A 98+79.69 (42.60' RT)	457															1, 2
PV1-3	A 94+43.44 (37.16' RT) TO A 94+48.44 (37.22' RT)							4									6
PV1-4	A 94+78.45 (37.15' RT) TO A 98+92.47 (52.41' RT)							320									6
PV1-5	A 97+43.12 (44.93' RT)					1											5
CR1	A 94+67.48 (37.18' RT)									1		16					7, 8
CR2	A 98+31.91 (44.69' RT)								33								9
	SHEET TOTAL	457	332		332	1		324	33	1		16					
	PROJECT TOTAL	457	332		332	1		324	33	1		16					

GENERAL NOTES:

1. SEE STD PLAN F-10.12 FOR CEMENT CONCRETE CURBS.

2. SEE STD PLAN F-10.16 FOR CEMENT CURB AND GUTTER PAN.

3. SEE STD PLAN C-20.10 FOR BEAM GUARDRAIL TYPE 31.

4. SEE STD PLAN C-25.80 FOR BEAM GUARDRAIL TYPE 31 TO BEAM GUARDRAIL TYPE 1 ADAPTOR.

5. SEE STD C-22.40 FOR BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL (ALL POSTED SPEEDS).

6. SEE STD PLAN F-30.10 FOR CEMENT CONCRETE SIDEWALK.

7. SEE STD PLAN F-40.12 FOR CEMENT CONC. CURB RAMP TYPE PARALLEL TYPE A.

8. SEE STD PLAN F-45.10 FOR DETECTABLE WARNING SURFACE.

9. SEE STD PLAN F-80.10 FOR CEMENT CONCRETE DRIVEWAY ENTRANCE TYPES 1,2,3, & 4.

DESIGNED BY	K. POON	03/22/22			
ENTERED BY	K. POON	03/22/22			
CHECKED BY	A. DANNEMILLER				
PROJ. ENGR.	C. ANDERSON				
REGION ADM.	M. COTTON				
		DATE	**DATE**	**REVISION**	**BY**

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	

JOB NUMBER 21A028

CONTRACT NO.

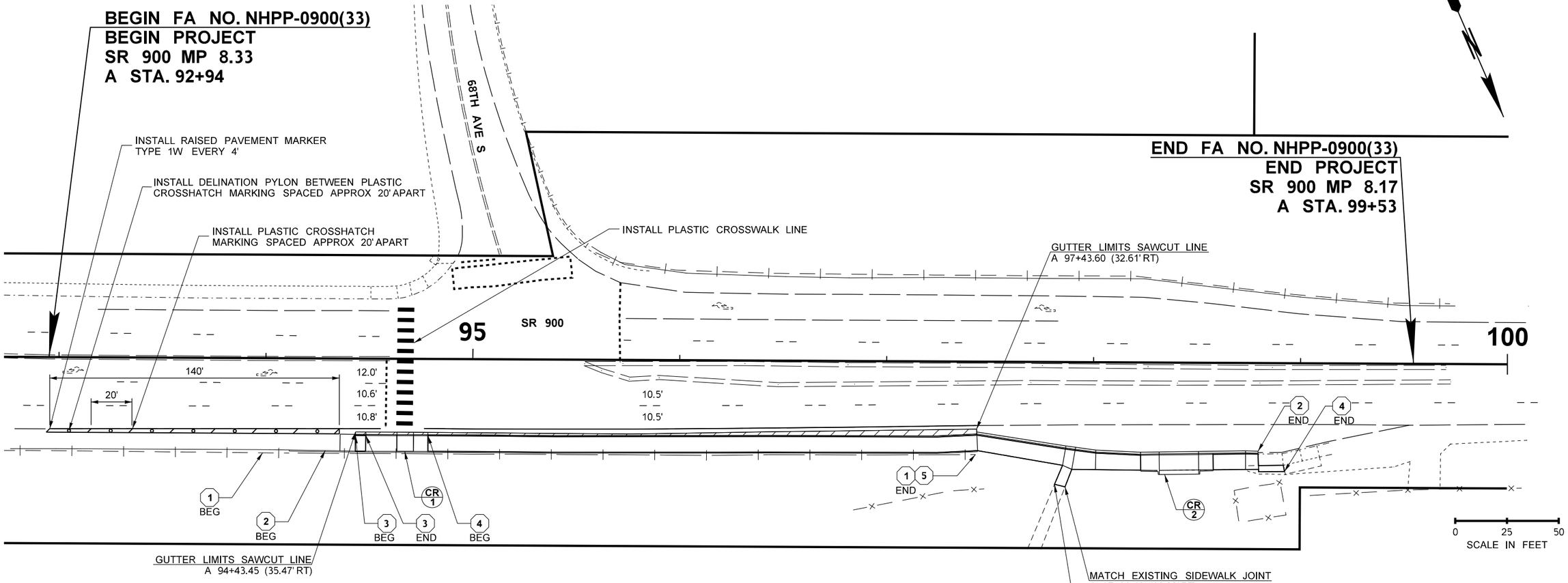
Washington State Department of Transportation

SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

QUANTITY TABULATION - PAVING

QTPV 1

SHEET 15 **OF** 30 **SHEETS**



LEGEND

- ?? — QUANTITY TAB NOTE
- CR # — CURB RAMP SHEET NO.
- ROADWAY EXCAVATION INCL. HAUL
- RIGHT OF WAY
- EXISTING SIDEWALK
- EXISTING PAVED EDGE
- EXISTING CURB FACE
- EXISTING EDGE LINE
- EXISTING LANE LINE
- EXISTING LANE WIDE WHITE MARKING
- EXISTING DOUBLE YELLOW LINE
- EXISTING FENCE
- EXISTING GUARDRAIL
- NEW GUARDRIAL
- SIDEWALK PAY LIMIT
- NEW EDGE LINE
- NEW DELINEATION PYLON

NOTES:
1. SEE RS1 FOR ADDITIONAL INFORMATION.

FILE NAME	\\wsdot.loc\nw\CAE_DATA\412348\XL6312 - SR 900 Pedestrian Safety\CAD\ContractPlans\XL6312_PS_31PV.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	5:05:47 PM				JOB NUMBER 21A028		
DATE	6/2/2022				CONTRACT NO.		LOCATION NO.
PLOTTED BY	poonk						
DESIGNED BY	K. POON						
ENTERED BY	K. POON						
CHECKED BY	A. DANNEMILLER						
PROJ. ENGR.	C. ANDERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

ALLEN ANDERSON — STATE OF WASHINGTON — 20127 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1 DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

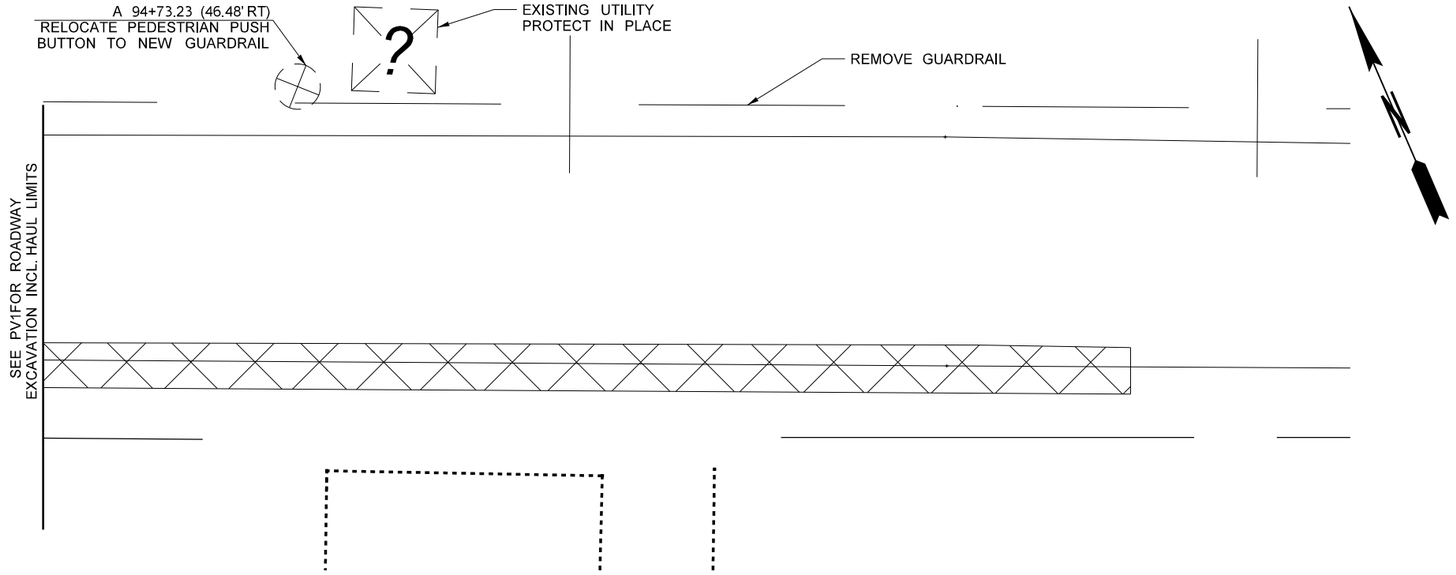
SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

PAVING / PAVEMENT MARKING PLAN

Plot 1

PLAN REF NO **PV1**

SHEET 16 OF 30 SHEETS



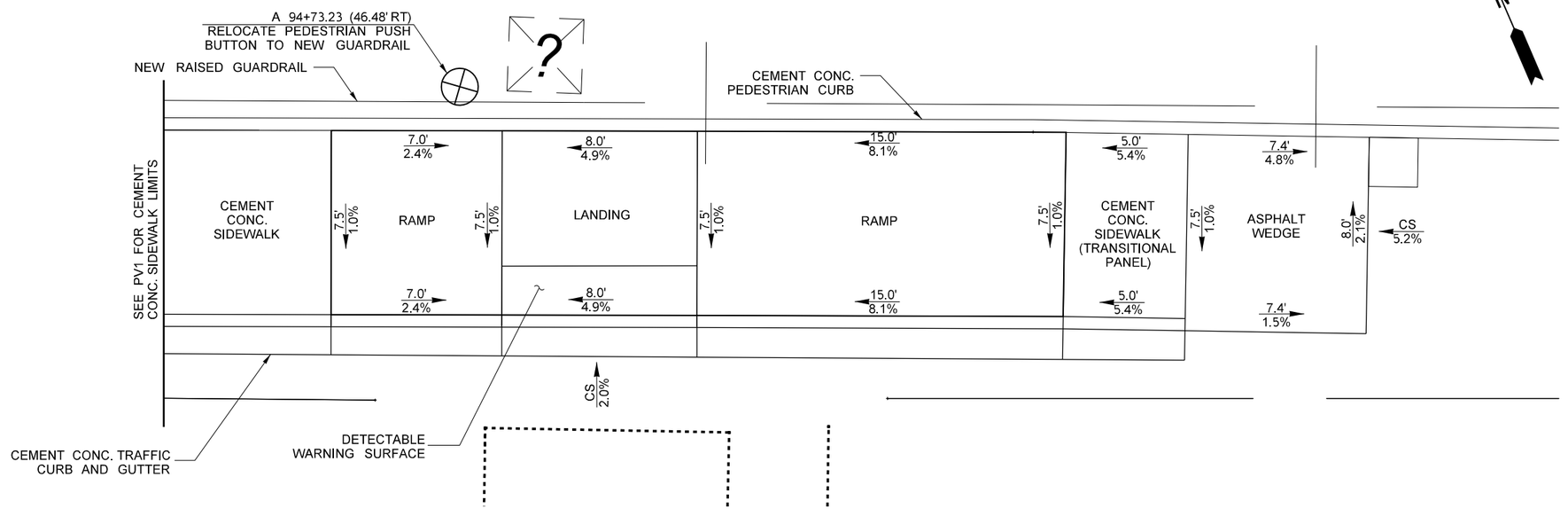
EXISTING PLAN VIEW
NOT TO SCALE

NORTH SIDE OF SR 900 AND 68TH AVE S

NOTES:
1. SEE STD PLAN F-10.12 FOR ADDITIONAL CEMENT CONCRETE CURBS DETAILS NOT SHOWN.
2. SEE STD PLAN F-10.16 FOR ADDITIONAL CEMENT CONCRETE CURB AND GUTTER PAN DETAILS NOT SHOWN.
3. SEE STD PLAN F-40.12 FOR ADDITIONAL PARALLEL CURB RAMP DETAILS NOT SHOWN.
4. SEE STD PLAN F-45.10 FOR ADDITIONAL DETECTABLE WARNING SURFACE DETAILS NOT SHOWN.
5. ALL DIMENSIONS ARE FOR INFORMATION ONLY. CURB RAMPS SHALL BE CONSTRUCTED NOT TO EXCEED SHOWN SLOPES.

LEGEND

- ROADWAY EXCAVATION INCL. HAUL
- EXISTING CURB FACE
- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE LINE
- EXISTING CROSSWALK
- EXISTING GUARDRAIL
- NEW GUARDRAIL
- ASPHAT PAVEMENT BREAKLINE
- CURB RAMP PAY LIMIT
- EXISTING PEDESTRIAN PUSHBUTTON POST
- NEW PEDESTRIAN PUSHBUTTON POST
- EXISTING JUNCTION BOX
- NEW CATCH BASIN



PLAN VIEW
CEMENT CONC. CURB RAMP TYPE PARALLEL A
NOT TO SCALE

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DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	A. DANNEMILLER						
PROJ. ENGR.	C. ANDERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

CULLEN ANDERSON — STATE OF WASHINGTON — 20127?? — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
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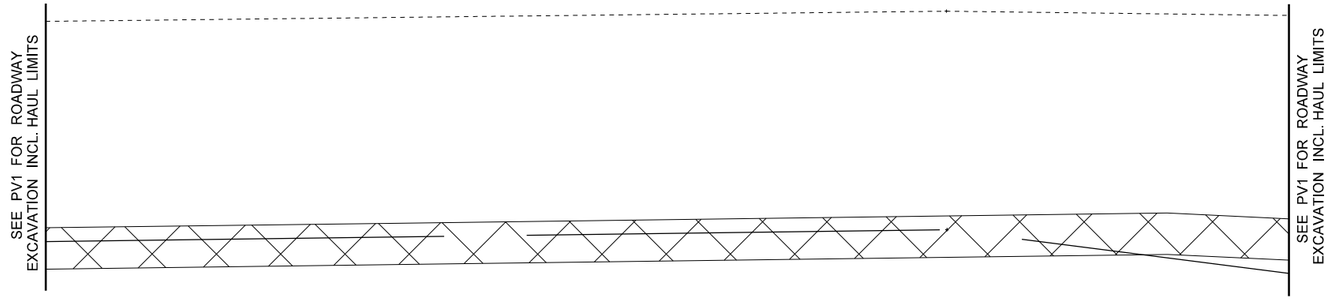
Washington State Department of Transportation

SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

CURB RAMP PLAN

Plot 1
PLAN REF NO
CR1
SHEET
17
OF
30
SHEETS



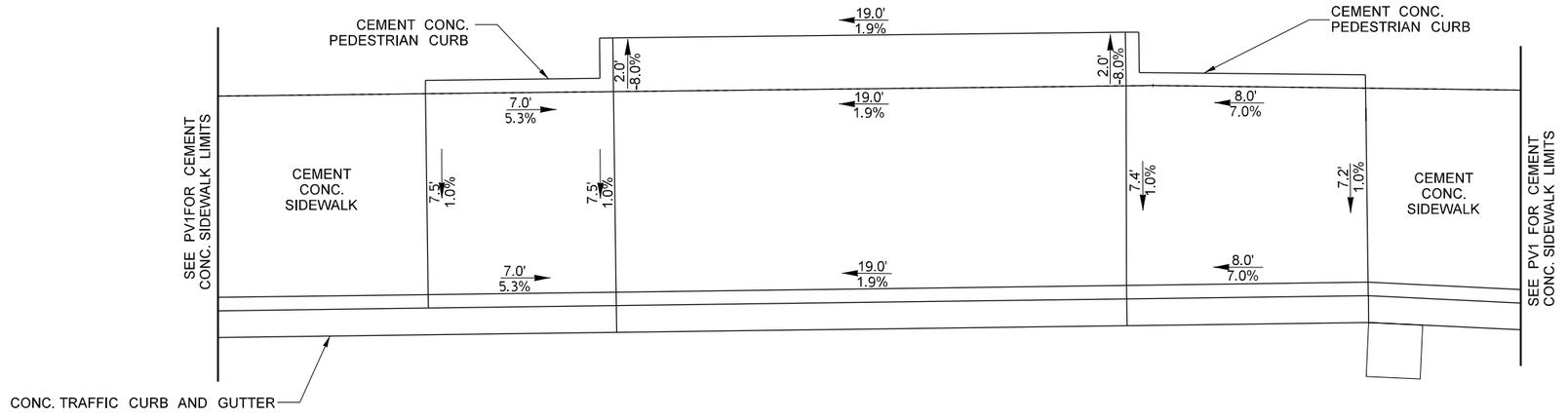
EXISTING PLAN VIEW
NOT TO SCALE

NORTH SIDE OF SR 900 AT BUS STOP

NOTES:
1. SEE STANDARD PLAN F-10.12 FOR ADDITIONAL CEMENT CONCRETE CURBS DETAILS NOT SHOWN.
2. SEE STANDARD PLAN F-80.10 FOR ADDITIONAL CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 DETAILS NOT SHOWN.
3. ALL DIMENSIONS ARE FOR INFORMATION ONLY. CURB RAMPS SHALL BE CONSTRUCTED NOT TO EXCEED SHOWN SLOPES.

LEGEND

- ROADWAY EXCAVATION INCL. HAUL
- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE LINE
- NEW CATCH BASIN



PLAN VIEW
CEMENT CONC. DRIVEWAY ENTRANCE TYPE 1
NOT TO SCALE

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ENTERED BY	K. POON						
CHECKED BY	A. DANNEMILLER						
PROJ. ENGR.	C. ANDERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

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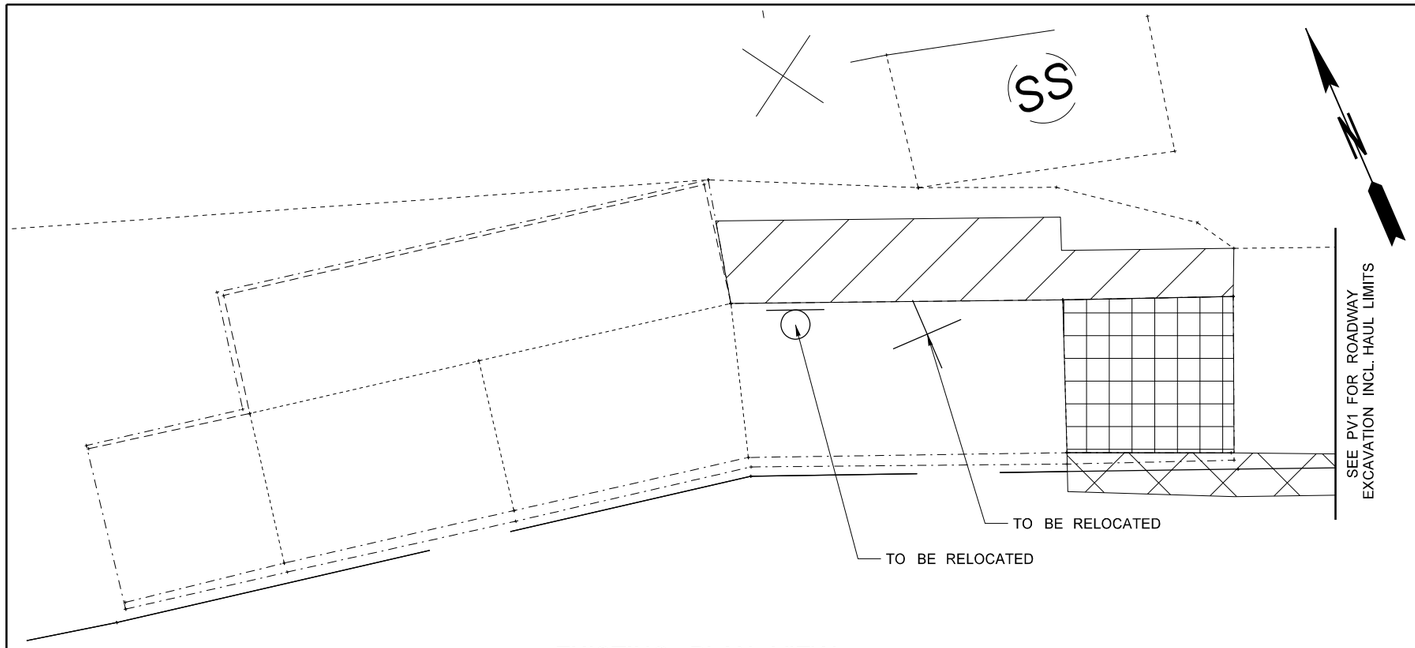
Washington State Department of Transportation

SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

CURB RAMP PLAN

Plot 1
PLAN REF NO CR2
SHEET 18 OF 30 SHEETS



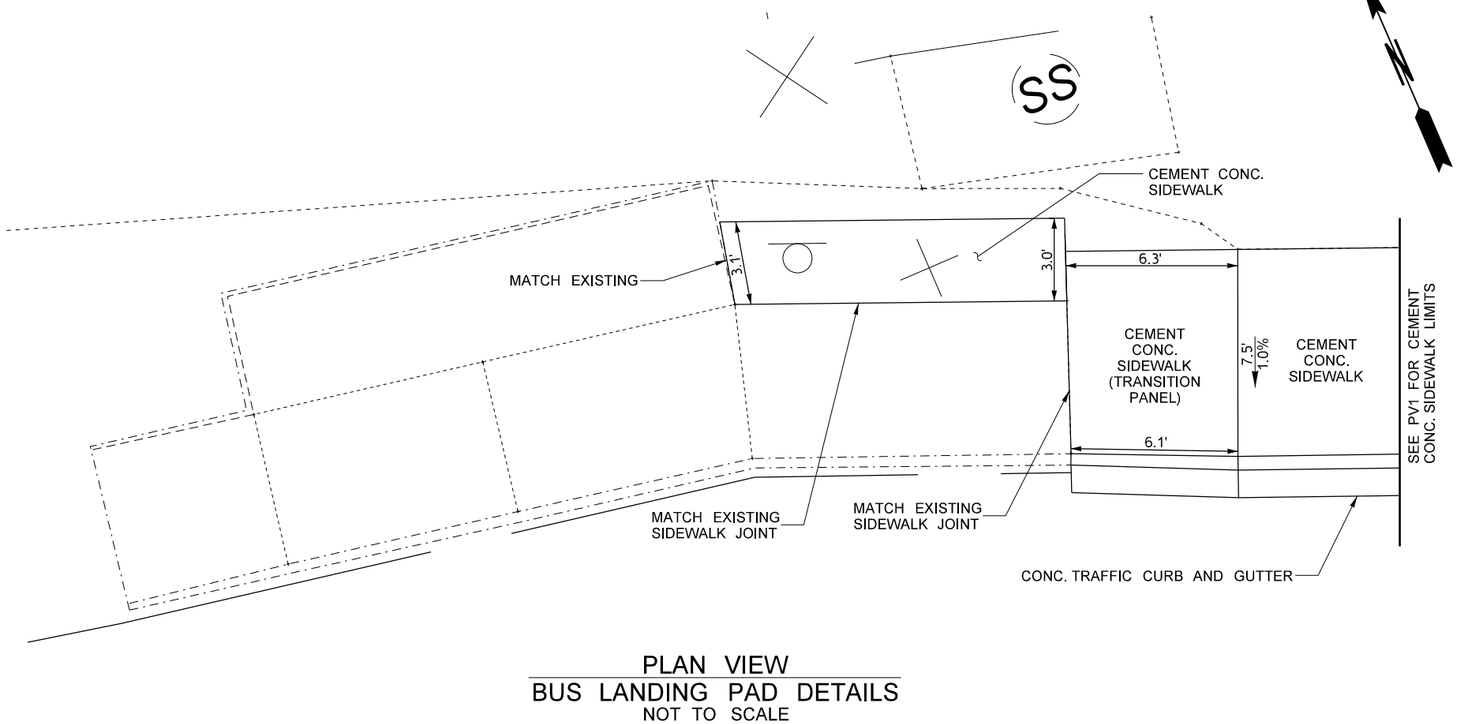
EXISTING PLAN VIEW
NOT TO SCALE

MARTIN LUTHER KING JR WAY & 68TH AVE S BUS STOP

NOTES:
1. SEE STANDARD PLAN F-10.12-04 FOR ADDITIONAL CEMENT CONCRETE CURBS DETAILS NOT SHOWN.
2. ALL DIMENSIONS ARE FOR INFORMATION ONLY. CURB RAMPS SHALL BE CONSTRUCTED NOT TO EXCEED SHOWN SLOPES.

LEGEND

- ROADWAY EXCAVATION INCL. HAUL
- REMOVING CEMENT CONC. SIDEWALK
- REMOVING ASPHALT CONC. PAVEMENT
- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE LINE
- EXISTING FENCE
- BUS SIGN
- LITTER RECEPTACLE



PLAN VIEW
BUS LANDING PAD DETAILS
NOT TO SCALE

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ENTERED BY	K. POON						
CHECKED BY	A. DANNEMILLER				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	C. ANDERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

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SEE SHEET CT1
DATE
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Washington State Department of Transportation

SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

BUS LANDING PAD DETAILS

Plot 1
PLAN REF NO MISC1
SHEET 19 OF 30 SHEETS

LEGEND

EXISTING	NEW	
		TYPE 1 JUNCTION BOX
		TYPE 2 JUNCTION BOX
		TYPE 3 JUNCTION BOX
		TYPE 7 JUNCTION BOX
		TYPE 8 JUNCTION BOX
PB		PULL BOX
		CONTROLLER CABINET
		ELECTRICAL SERVICE CABINET
		TYPE PS SIGNAL STANDARD
		PPB POST
		PED PUSHBUTTON ASSEMBLY
		PED HEAD W/ TYPE D MOUNTING
		PED HEAD W/ TYPE E MOUNTING
		VIDEO DETECTION CAMERA
		CONDUIT
	X	CONSTRUCTION NOTE FLAG
	X	WIRING NOTE FLAG

CONSTRUCTION NOTES:

1. MAINTAIN AND PROTECT EXISTING TYPE PS POLE, PEDESTRIAN DISPLAY AND FOUNDATION.
2. REMOVE EXISTING PUSH BUTTON STATION ASSEMBLY AND INSTALL NEW 4-WIRE OR 3-WIRE APS PUSH BUTTON ASSEMBLY. ORIENT TOWARD THE ASSOCIATED CROSSWALK. ENSURE PUSH BUTTON IS NO MORE THAN 10 INCHES FROM EDGE OF PEDESTRIAN LANDING.
3. INSTALL PPB EXTENSION, PPB TO BE A MAXIMUM OF 10" FROM EDGE OF SIDE WALK.
4. REPLACE EXSISTING 310W HPS LUMINAIRE HEAD WITH EQUIVILANT LED LUMINAIR HEAD. INSTALL SLOW BLOW FUSE AT BASE OF POLE.
5. NOT USED
6. RELOCATE EXISTING PEDESTRIAN POLE AND SIGNAL DISPLAY ON NEW PEDESTRIAN SIGNAL STANDARD FOUNDATION PER J-20.16-02.
7. INSTALL TYPE 3 INDUCTION LOOP VEHICLE DETECTOR IN ACCORDANCE WITH THE INDUCTION LOOP VEHICLE DETECTORS SPECIAL PROVISION AND STANDARD PLAN J-50.12-02
8. REMOVE EXISTING LOOP SPLICE(S) INSTALL STUB- OUT CONDUIT(S). SPLICE NEW LOOP WIRE(S) TO EXISTING DETECTOR LEAD -IN(S) IN THE JUNCTION BOX IN ACCORDANCE WITH THE INDUCTION LOOP VEHICLE DETECTORS SPECIAL PROVISION AND STANDARD PLAN J-50.05-00
9. PROTECT EXISTING UNDER ROAD CROSSING.
10. LEVEL EXISTING JUNCTION BOX.

ABBREVIATIONS:

ADA	AMERICANS WITH DISABILITY ACT	I/S	INTERSECTION	SP	SPARE
AGG	AGGREGATE	ITS	INTELLIGENT TRANSPORTATION SYSTEM	SP	SPAN WIRE
ASPH	ASPHALT	JB	JUNCTION BOX	SR	STATE ROUTE
B	BLACK	MAX	MAXIMUM	ST	STREET
C	COMMON/ CONDUCTORS	MIN	MINIMUM	STD	STANDARD
CAB	CABINET	MNRL	MINERAL	STL	STEEL
COMM	COMMUNICATION	N	NORTH	TB	TERMINAL BLOCK
CONC	CONCRETE	N.T.S	NOT TO SCALE	TEMP	TEMPORARY
C(S)	CONDUCTOR SHIELDED	O	ORANGE	TYP	TYPICAL
DET.	DETECTOR	PDA	POWER DISTRIBUTION ASSEMBLY	V	VOLT
DIA.	DIAMETER	PED	PEDESTRIAN	VDC	VIDEO DETECTION CAMERA
E.V.P	EMERGENCY VEHICLE PREEMPTION	PPB	PEDESTRIAN PUSHBUTTON	VEH	VEHICLE
EX	EXISTING	PR	PAIR	VDZ	VIDEO DETECTION ZONE
G	GREEN	P/V	PEDESTRIAN/ VEHICLE	W	WHITE
GALV	GALVANIZED	R	RED	W/	WITH
ILL	ILLUMINATION	SH	SHIELDED	WB	WHITE/BLACK
		SIG	SIGNAL	Y	YELLOW

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DATE	6/8/2022				FED.AID PROJ.NO.
PLOTTED BY	ZacharC			JOB NUMBER 21A028	
DESIGNED BY	C. ZACHARIAS			CONTRACT NO.	LOCATION NO.
ENTERED BY	C. ZACHARIAS				
CHECKED BY	D. DO				
PROJ. ENGR.	C. ANDERSON				
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY	

CHRISTIAN LOUIS SANTIAGO STATE OF WASHINGTON 26314 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1 DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

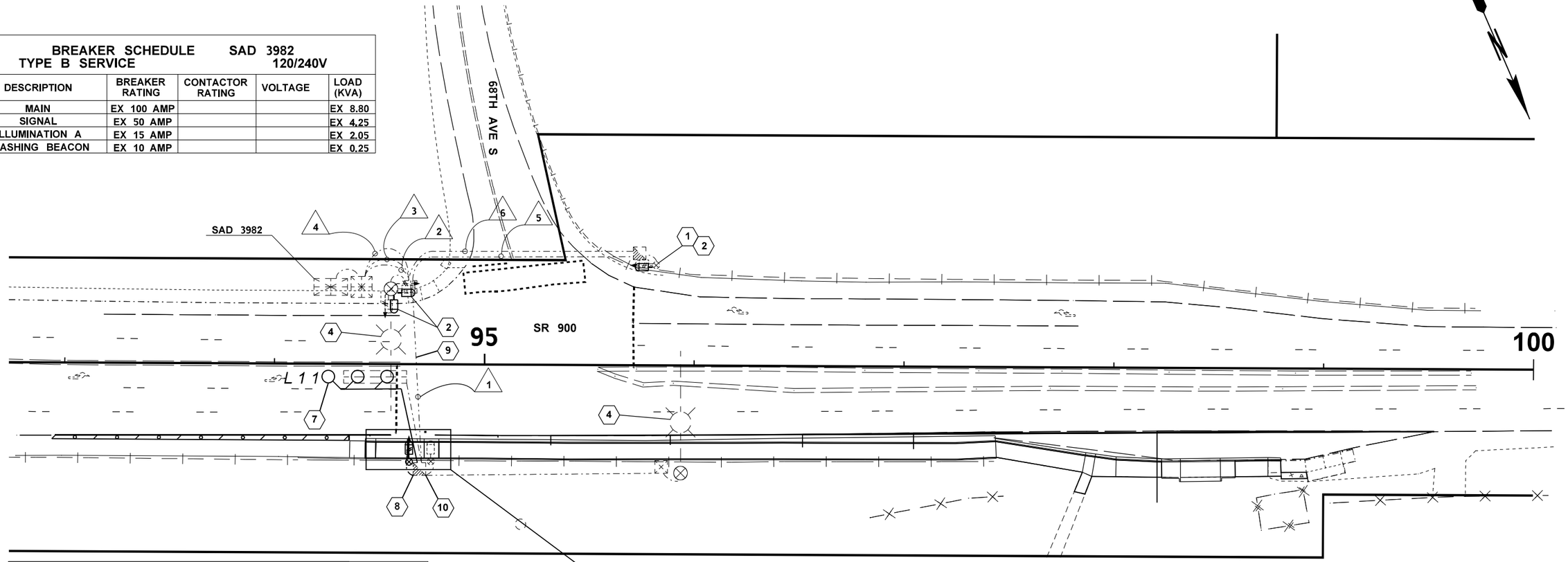
ELECTRICAL PLANS

Plot 2

PLAN REF NO EL1

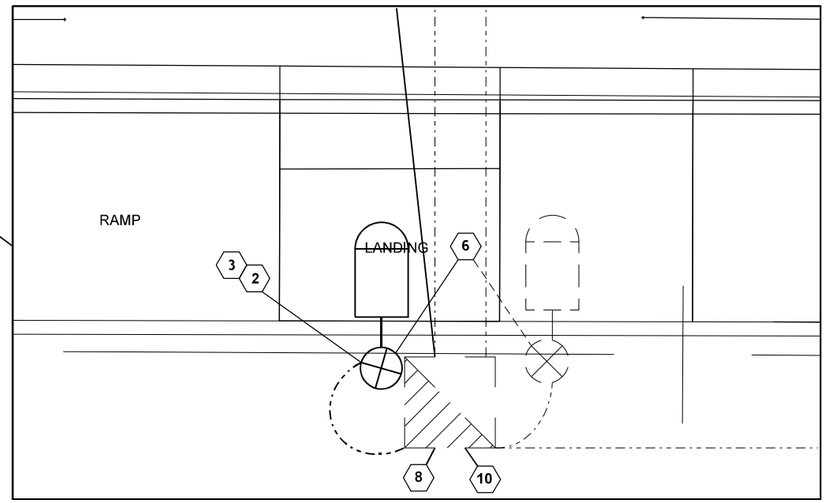
SHEET 20 OF 30 SHEETS

BREAKER SCHEDULE SAD 3982 TYPE B SERVICE 120/240V				
DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE	LOAD (KVA)
MAIN	EX 100 AMP			EX 8.80
SIGNAL	EX 50 AMP			EX 4.25
ILLUMINATION A	EX 15 AMP			EX 2.05
FLASHING BEACON	EX 10 AMP			EX 0.25



WIRING SCHEDULE					SERVICE NO. SAD 3982
NO.	CONDUIT SIZE (MM)	CONDUCTORS EXISTING		NEW	COMMENTS
1	EX 78	2	#10		
		5	2(C)		
		2	3(C)		
		4	5(C)		
		2	#8		
2	EX 53	2	2(C)		
		1	3(C)		
		1	5(C)		
		1	7(C)		
3	EX 78	2	#10		
		6	2(C)		
		3	3(C)		
		4	5(C)		
4	EX 78	2	#10		
		4	2(C)		
		1	5(C)		
5	EX 78	2	#10		
		4	2(C)		
		2	#8		
		1	5(C)		
6	EX 78	SPARE			

NOTES:
1. SEE RS1 FOR ADDITIONAL INFORMATION.
2. SEE PTC2 FOR TEMPORARY CROSSWALK LINE - SHORT DURATION DETAILS.
3. FOR ANY WIRE CONNECTIONS SIGNAL MAINTENANCE STAFF SHOULD BE PRESENT. COORDINATE THROUGH ENGINEER.



0 50 100
SCALE IN FEET

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DESIGNED BY	C. ZACHARIAS				CONTRACT NO.		LOCATION NO.
ENTERED BY	C. ZACHARIAS						
CHECKED BY	D. DO						
PROJ. ENGR.	C. ANDERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

CHRISTIAN LOUIS SANTIAGO STATE OF WASHINGTON 23314 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

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Washington State Department of Transportation

SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

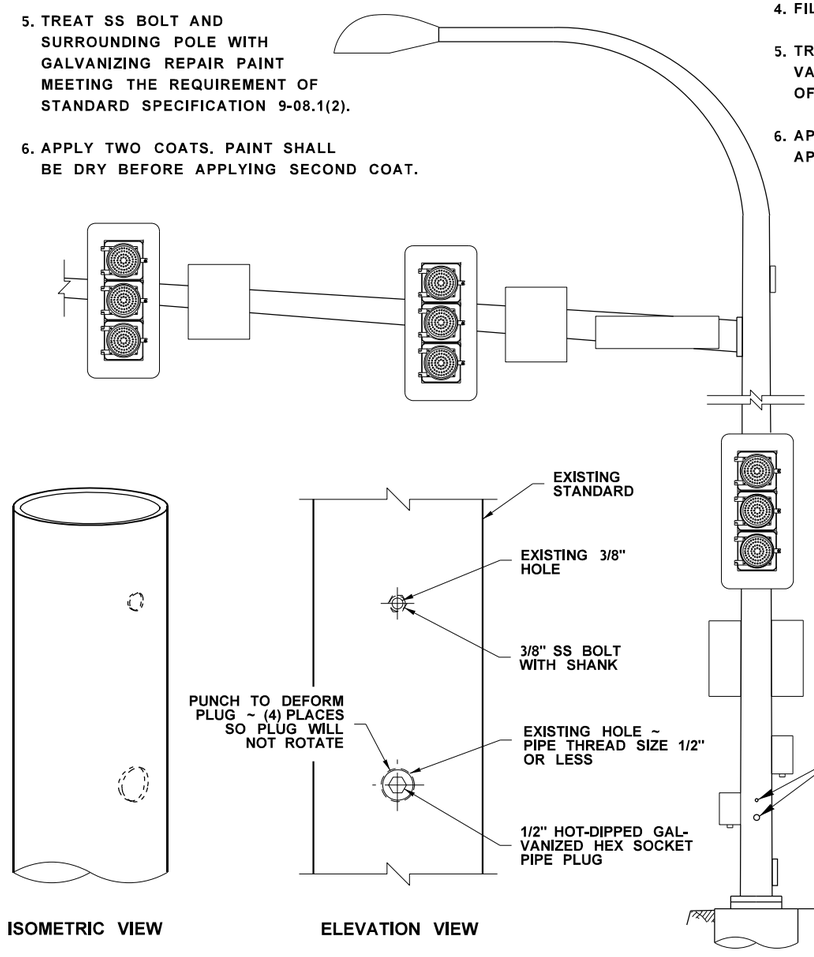
ELECTRICAL PLANS

Plot 1
PLAN REF NO EL2
SHEET 21 OF 30 SHEETS

REPAIR PROCEDURE - BOLT HOLE SIZE ½ INCH DIAMETER OR LESS ~ PIPE TRADE SIZE ½ INCH OR LESS

FOR UNC OR UNF THREADS:

1. APPLY SILICONE CAULK TO THREADS OF SS BOLT WITH SHANK.
2. TIGHTEN SS BOLT UNTIL SHANK IS TIGHT AGAINST STANDARD.
3. CUT OFF SS BOLT EVEN WITH STANDARD.
4. FILE SS BOLT TO MATCH CONTOUR OF STANDARD.
5. TREAT SS BOLT AND SURROUNDING POLE WITH GALVANIZING REPAIR PAINT MEETING THE REQUIREMENT OF STANDARD SPECIFICATION 9-08.1(2).
6. APPLY TWO COATS. PAINT SHALL BE DRY BEFORE APPLYING SECOND COAT.

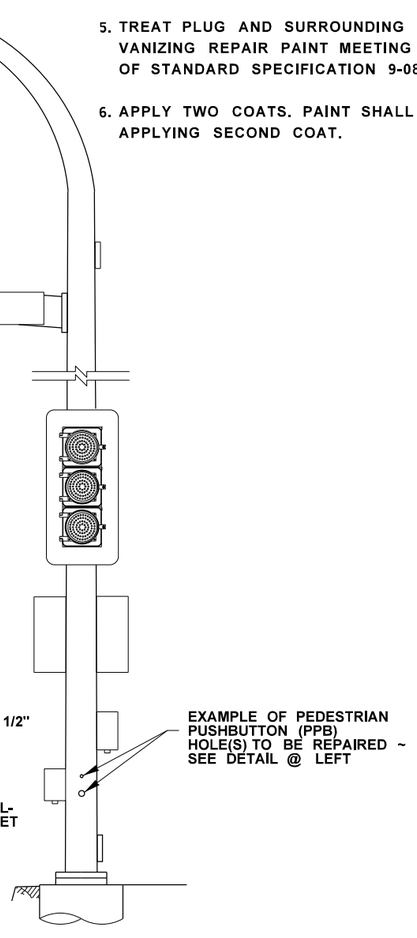


HOLE REPAIR DETAIL

EXAMPLE OF REPAIR FROM PPB LOCATION ~ 1/2 INCH DIAMETER AND 3/8 INCH DIAMETER HOLES SHOWN

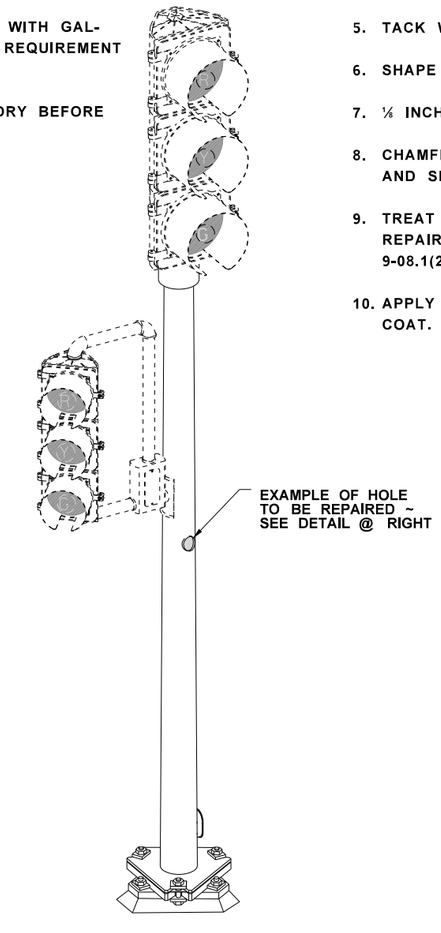
FOR NATIONAL PIPE THREADS:

1. APPLY SILICONE CAULK TO THREADS OF HOT-DIPPED GALVANIZED HEX SOCKET PIPE PLUG.
2. TIGHTEN PLUG UNTIL FLUSH WITH STANDARD.
3. FILE PLUG TO MATCH CONTOUR OF STANDARD.
4. FILL HEX SOCKET WITH PAINTABLE SILICONE CAULK.
5. TREAT PLUG AND SURROUNDING POLE WITH GALVANIZING REPAIR PAINT MEETING THE REQUIREMENT OF STANDARD SPECIFICATION 9-08.1(2).
6. APPLY TWO COATS. PAINT SHALL BE DRY BEFORE APPLYING SECOND COAT.



ELEVATION

(TYPE III SIGNAL STANDARD SHOWN)

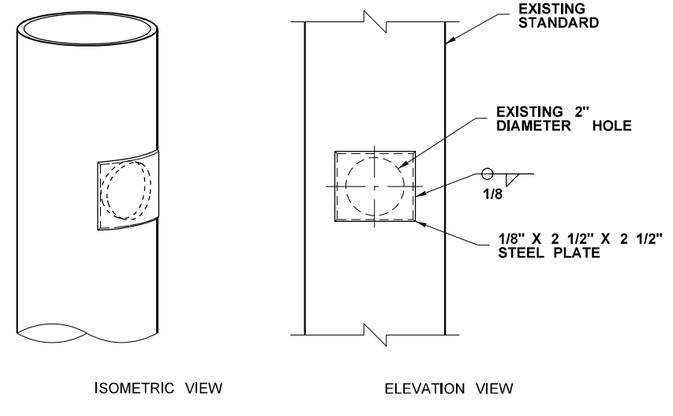


PERSPECTIVE VIEW

(RAMP METER SIGNAL STANDARD WITH SLIP BASE SHOWN)

REPAIR PROCEDURE - MAXIMUM HOLE SIZE 3 INCH DIAMETER

1. SUBMITTAL PER STANDARD SPECIFICATION 6-03.3(25).
2. MAXIMUM HOLE SIZE 3 INCH OR LESS IN DIAMETER.
3. ⅛ INCH STEEL PLATE - TYPE ASTM A - 36 ELECTRODE TYPE XX-70.
4. THE PLATE SHALL BE ½ INCH LARGER THAN THE DIAMETER OF THE HOLE TO BE REPAIRED. (1/4 INCH OVERLAP ALL SIDES).
5. TACK WELD PLATE TO POLE.
6. SHAPE PLATE TO MATCH TAPER AND CURVE OF POLE.
7. ⅛ INCH FILLET WELD ALL AROUND.
8. CHAMFER (GRIND) EDGE OF PLATE SMOOTH. REMOVE ALL BURRS AND SHARP EDGES.
9. TREAT PATCH PLATE AND SURROUNDING POLE WITH GALVANIZING REPAIR PAINT MEETING THE REQUIREMENT OF STANDARD SPECIFICATION 9-08.1(2).
10. APPLY TWO COATS. PAINT SHALL BE DRY BEFORE APPLYING SECOND COAT.



HOLE REPAIR DETAIL

EXAMPLE WITH 2 INCH DIAMETER HOLE SHOWN

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DESIGNED BY	C. ZACHARIAS				CONTRACT NO.		LOCATION NO.
ENTERED BY	C. ZACHARIAS						
CHECKED BY	D. DO						
PROJ. ENGR.	C. ANDERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

CHRISTIAN LOUIS SANTIAGO STATE OF WASHINGTON 26314 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1 DATE

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SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

ELECTRICAL DETAILS

Plot 5

PLAN REF NO ELD1

SHEET 22 OF 30 SHEETS

BUFFER DATA

LONGITUDINAL BUFFER SPACE = B

SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R

NO SPECIFIED DISTANCE REQUIRED

SIGN SPACING = X

FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

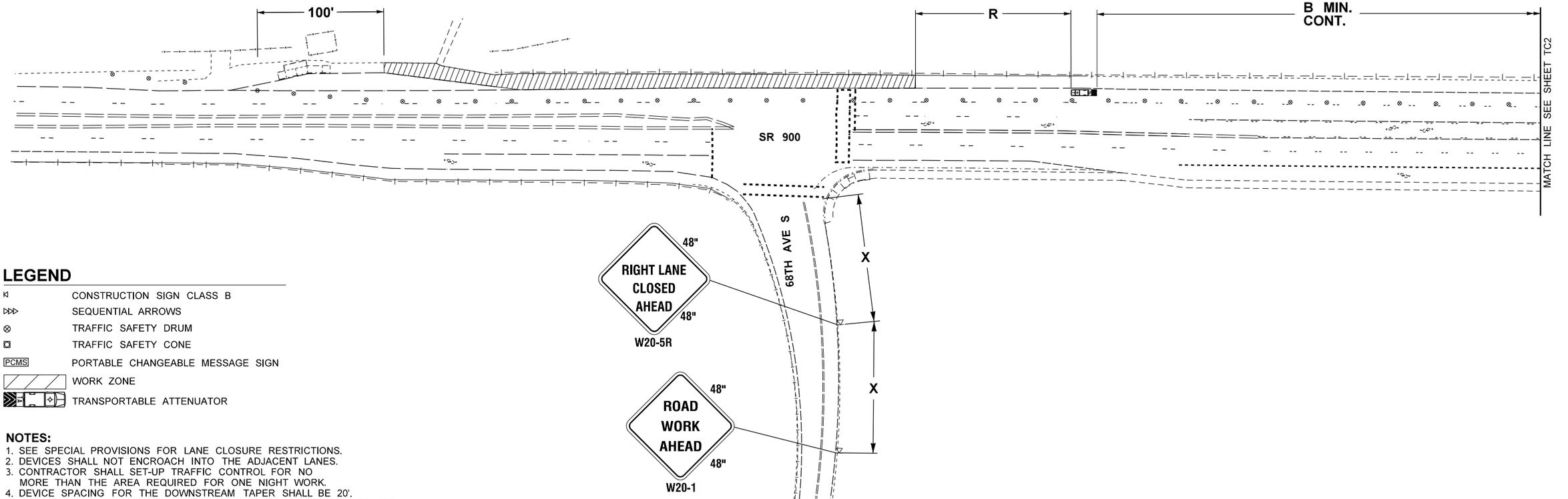
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

MINIMUM TAPER LENGTH = L (feet)

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
12	80	180	270	330	540	600	660	720	780	840

CHANNELIZATION DEVICE SPACING (feet)

MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40



LEGEND

- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- TRAFFIC SAFETY DRUM
- TRAFFIC SAFETY CONE
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

NOTES:

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. CONTRACTOR SHALL SET-UP TRAFFIC CONTROL FOR NO MORE THAN THE AREA REQUIRED FOR ONE NIGHT WORK.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. FOR LOCAL STREETS USE 28" REFLECTIVE CONES AT 20' SPACING INSTEAD OF DRUMS.
7. REDUCE DRUMS TO HALF SPACING THRU WORK ZONE.
8. TEMPORARY TWO-SIDED "NO PARKING" SIGNS SHALL BE PLACED 48 HOURS IN ADVANCE OF LANE CLOSURE AT 30 FOOT INTERVALS ADJACENT TO LANES WHERE STREET PARKING IS CURRENTLY ALLOWED. THE SIGNS SHALL BE PLACED ON TYPE II BARRICADEES AND LABELED WITH APPROPRIATE CLOSURE DATES AND TIMES.
9. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN THE WORK OPERATION ALLOWS.

SR900 / 68TH AVE S RIGHT LANE CLOSURE - PHASE 1

PAGE 1 OF 2 — NOT TO SCALE

FILE NAME	\\wsdot.loc\nw\CAE_DATA\412348\XL6312 - SR 900 Pedestrian Safety\CAD\ContractPlans\XL6312_PS_46TC.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
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REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

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SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

TRAFFIC CONTROL PLAN

Plot 1

PLAN REF NO TC1

SHEET 23 OF 30 SHEETS

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R
NO SPECIFIED DISTANCE REQUIRED

SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

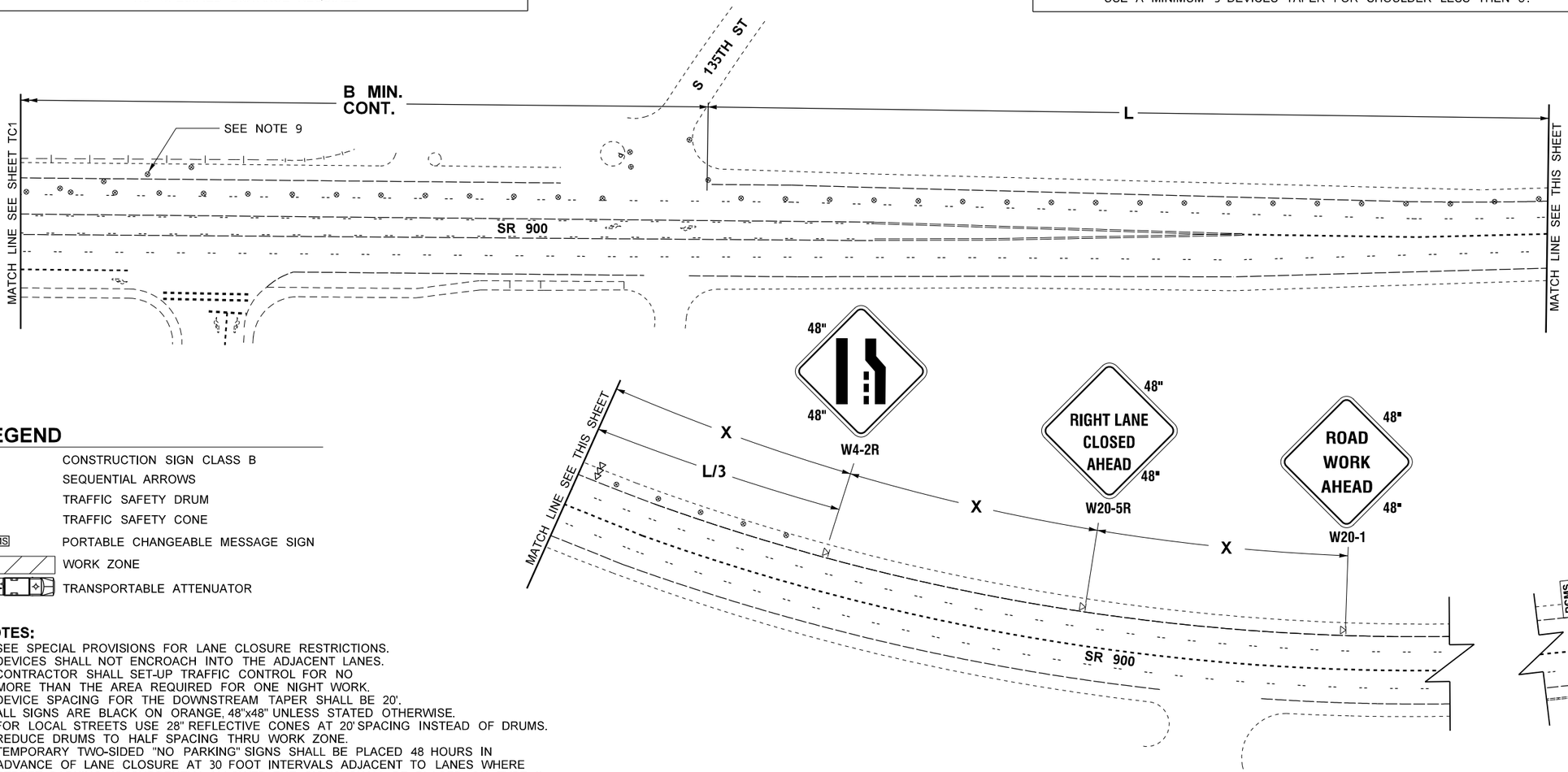
MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
12	80	180	270	330	540	600	660	720	780	840

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

PCMS MESSAGE #1	
PHASE 1	PHASE 2
RIGHT LANE CLOSED	MERGE LEFT AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE (+-) IN ADVANCE OF LANE CLOSURE



LEGEND

- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- TRAFFIC SAFETY DRUM
- TRAFFIC SAFETY CONE
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

NOTES:

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. CONTRACTOR SHALL SET-UP TRAFFIC CONTROL FOR NO MORE THAN THE AREA REQUIRED FOR ONE NIGHT WORK.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. FOR LOCAL STREETS USE 28" REFLECTIVE CONES AT 20' SPACING INSTEAD OF DRUMS.
7. REDUCE DRUMS TO HALF SPACING THRU WORK ZONE.
8. TEMPORARY TWO-SIDED "NO PARKING" SIGNS SHALL BE PLACED 48 HOURS IN ADVANCE OF LANE CLOSURE AT 30 FOOT INTERVALS ADJACENT TO LANES WHERE STREET PARKING IS CURRENTLY ALLOWED. THE SIGNS SHALL BE PLACED ON TYPE II BARRICADEES AND LABELED WITH APPROPRIATE CLOSURE DATES AND TIMES.
9. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN THE WORK OPERATION ALLOWS.

SR900 / 68TH AVE S RIGHT LANE CLOSURE - PHASE 1

PAGE 2 OF 2 — NOT TO SCALE

FILE NAME	\\wsdot.loc\nw\CAE_DATA\412348\XL6312 - SR 900 Pedestrian Safety\CAD\ContractPlans\XL6312_PS_46TC.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	5:06:13 PM				10	WASH	
DATE	6/2/2022				JOB NUMBER		
PLOTTED BY	poonk				21A028		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	A. DANNEMILLER						
PROJ. ENGR.	C. ANDERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

TRAFFIC CONTROL PLAN

Plot 2
PLAN REF NO TC2
SHEET 24 OF 30 SHEETS

BUFFER DATA

LONGITUDINAL BUFFER SPACE = B

SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R

NO SPECIFIED DISTANCE REQUIRED

SIGN SPACING = X

FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

MINIMUM TAPER LENGTH = L (feet)

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
12	80	180	270	330	540	600	660	720	780	840

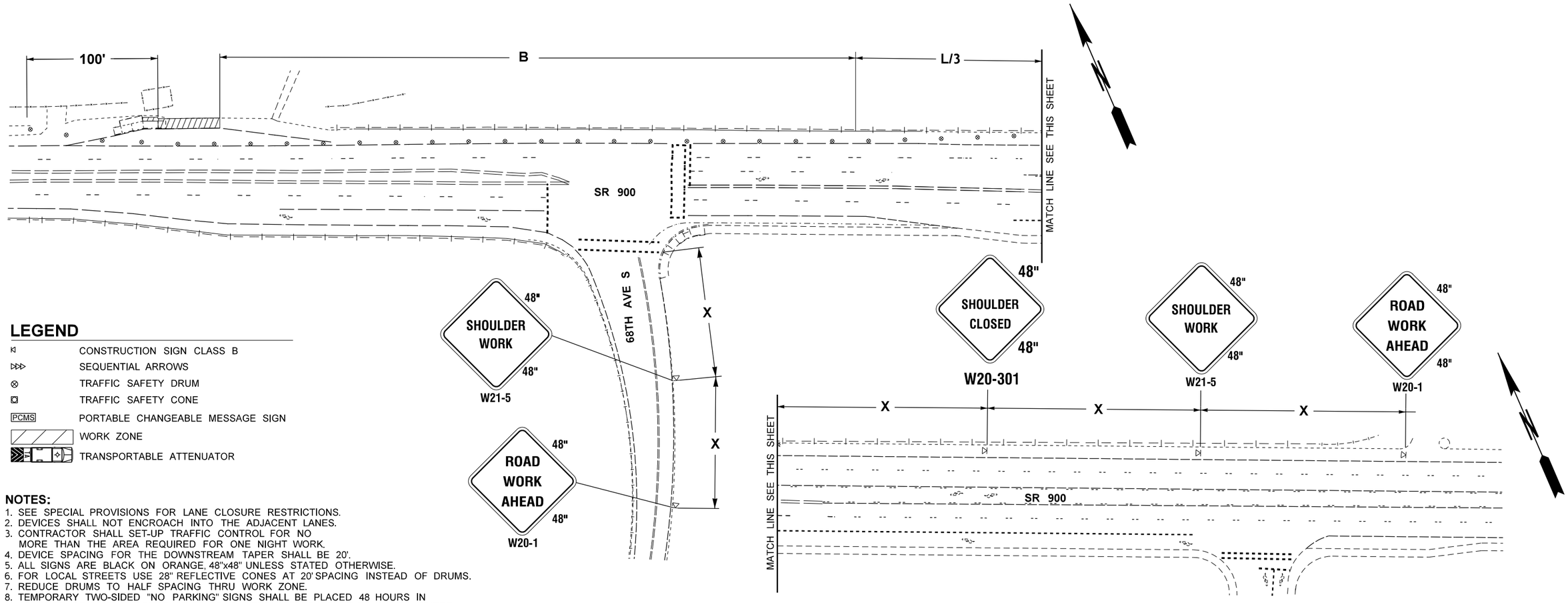
MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)

SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240

USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.

CHANNELIZATION DEVICE SPACING (feet)

MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40



LEGEND

- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- TRAFFIC SAFETY DRUM
- TRAFFIC SAFETY CONE
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

NOTES:

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. CONTRACTOR SHALL SET-UP TRAFFIC CONTROL FOR NO MORE THAN THE AREA REQUIRED FOR ONE NIGHT WORK.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. FOR LOCAL STREETS USE 28" REFLECTIVE CONES AT 20' SPACING INSTEAD OF DRUMS.
7. REDUCE DRUMS TO HALF SPACING THRU WORK ZONE.
8. TEMPORARY TWO-SIDED "NO PARKING" SIGNS SHALL BE PLACED 48 HOURS IN ADVANCE OF LANE CLOSURE AT 30 FOOT INTERVALS ADJACENT TO LANES WHERE STREET PARKING IS CURRENTLY ALLOWED. THE SIGNS SHALL BE PLACED ON TYPE II BARRICADEES AND LABELED WITH APPROPRIATE CLOSURE DATES AND TIMES.
9. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN THE WORK OPERATION ALLOWS.

SR900 / 68TH AVE S RIGHT SHOULDER CLOSURE - PHASE 2

NOT TO SCALE

FILE NAME	\\wsdot.loc\nw\CAE_DATA\412348\XL6312 - SR 900 Pedestrian Safety\CAD\ContractPlans\XL6312_PS_46TC.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	5:06:14 PM				10	WASH	
DATE	6/2/2022				JOB NUMBER		
PLOTTED BY	poonk				21A028		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	A. DANNEMILLER						
PROJ. ENGR.	C. ANDERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

TRAFFIC CONTROL PLAN

Plot 3

PLAN REF NO
TC3

SHEET 25 OF 30 SHEETS

BUFFER DATA

LONGITUDINAL BUFFER SPACE = B

SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R

NO SPECIFIED DISTANCE REQUIRED

SIGN SPACING = X

FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

MINIMUM TAPER LENGTH = L (feet)

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
12	80	180	270	330	540	600	660	720	780	840

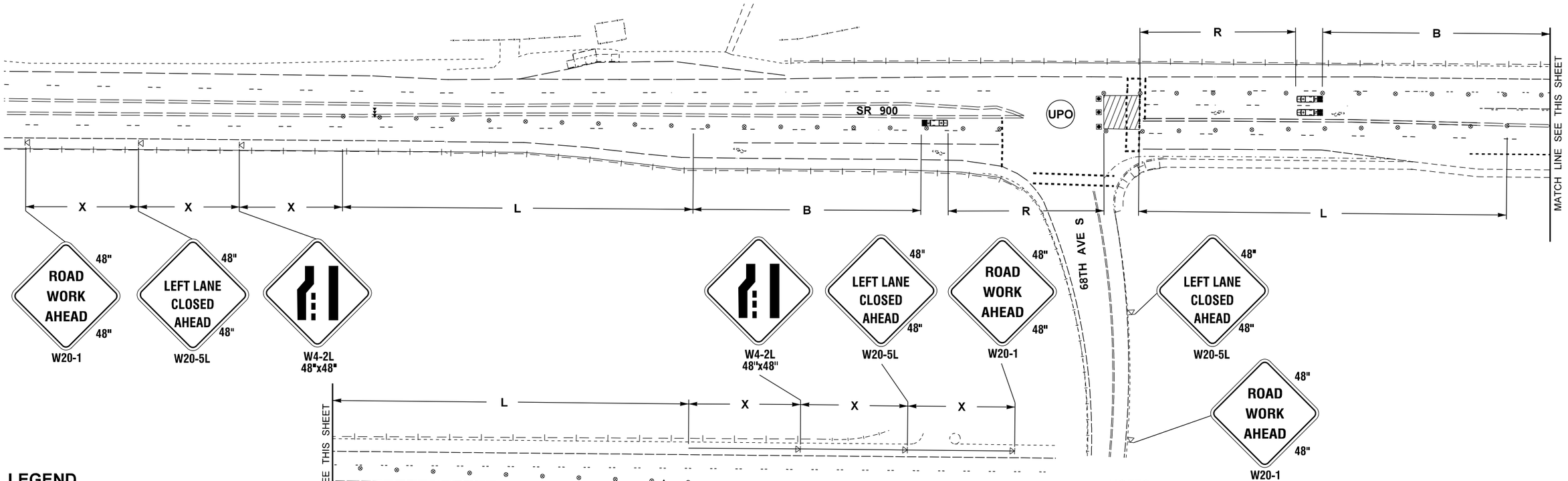
MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)

SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240

USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.

CHANNELIZATION DEVICE SPACING (feet)

MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40



LEGEND

- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- TRAFFIC SAFETY DRUM
- TRAFFIC SAFETY CONE
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- UPO — UNIFORMED POLICE OFFICER

SR900 / 68TH AVE S INTERSECTION CLOSURE - EB & WB LEFT LANE

NOT TO SCALE

NOTES:

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. CONTRACTOR SHALL SET-UP TRAFFIC CONTROL FOR NO MORE THAN THE AREA REQUIRED FOR ONE NIGHT WORK.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. FOR LOCAL STREETS USE 28" REFLECTIVE CONES AT 20' SPACING INSTEAD OF DRUMS.
7. REDUCE DRUMS TO HALF SPACING THRU WORK ZONE.
8. TEMPORARY TWO-SIDED "NO PARKING" SIGNS SHALL BE PLACED 48 HOURS IN ADVANCE OF LANE CLOSURE AT 30 FOOT INTERVALS ADJACENT TO LANES WHERE STREET PARKING IS CURRENTLY ALLOWED. THE SIGNS SHALL BE PLACED ON TYPE II BARRICADEES AND LABELED WITH APPROPRIATE CLOSURE DATES AND TIMES.
9. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN THE WORK OPERATION ALLOWS.

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DATE	6/2/2022				JOB NUMBER		
PLOTTED BY	poonk				21A028		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	A. DANNEMILLER						
PROJ. ENGR.	C. ANDERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

TRAFFIC CONTROL PLAN

Plot 4

PLAN REF NO
TC4

SHEET 26 OF 30 SHEETS

BUFFER DATA

LONGITUDINAL BUFFER SPACE = B

SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R

NO SPECIFIED DISTANCE REQUIRED

SIGN SPACING = X

FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

MINIMUM TAPER LENGTH = L (feet)

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
12	80	180	270	330	540	600	660	720	780	840

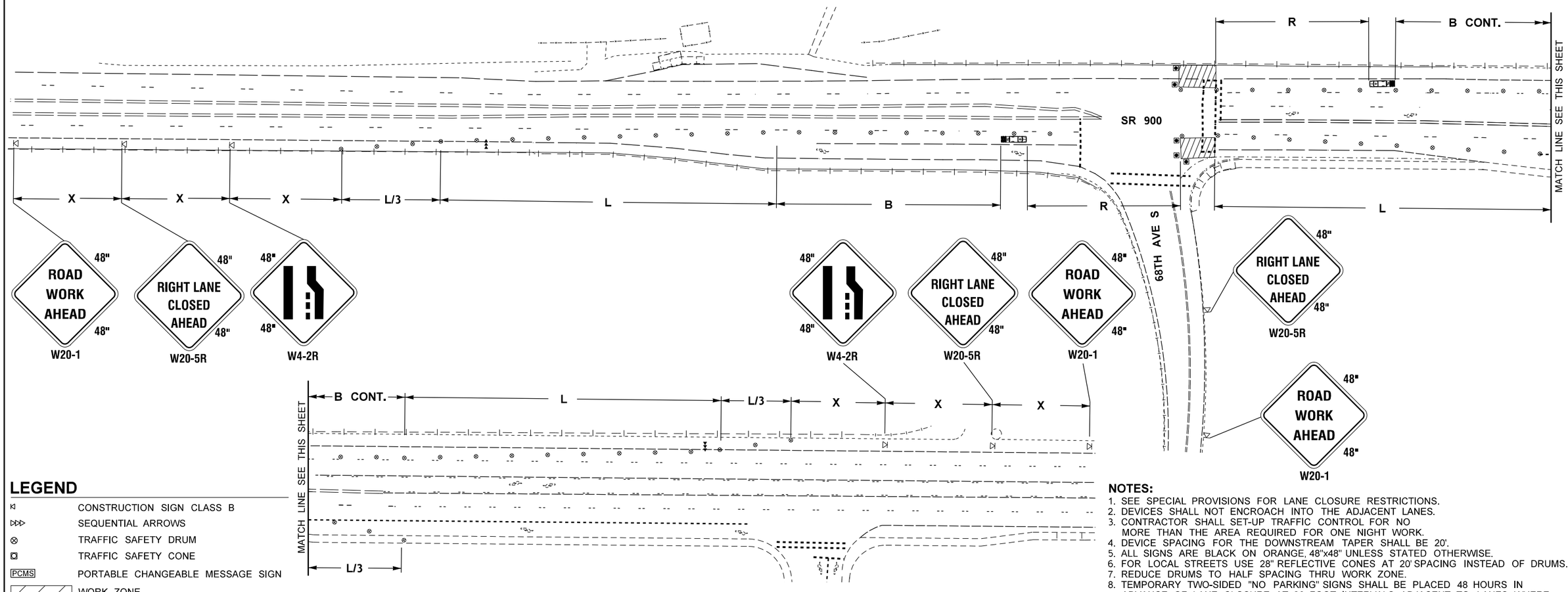
MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)

SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240

USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.

CHANNELIZATION DEVICE SPACING (feet)

MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40



LEGEND

- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- TRAFFIC SAFETY DRUM
- TRAFFIC SAFETY CONE
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

NOTES:

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. CONTRACTOR SHALL SET-UP TRAFFIC CONTROL FOR NO MORE THAN THE AREA REQUIRED FOR ONE NIGHT WORK.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. FOR LOCAL STREETS USE 28" REFLECTIVE CONES AT 20' SPACING INSTEAD OF DRUMS.
7. REDUCE DRUMS TO HALF SPACING THRU WORK ZONE.
8. TEMPORARY TWO-SIDED "NO PARKING" SIGNS SHALL BE PLACED 48 HOURS IN ADVANCE OF LANE CLOSURE AT 30 FOOT INTERVALS ADJACENT TO LANES WHERE STREET PARKING IS CURRENTLY ALLOWED. THE SIGNS SHALL BE PLACED ON TYPE II BARRICADEES AND LABELED WITH APPROPRIATE CLOSURE DATES AND TIMES.
9. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN THE WORK OPERATION ALLOWS.

SR900 / 68TH AVE S INTERSECTION CLOSURE - EB & WB RIGHT LANE

NOT TO SCALE

FILE NAME	\\wsdot.loc\nw\CAE_DATA\412348\XL6312 - SR 900 Pedestrian Safety\CAD\ContractPlans\XL6312_PS_46TC.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
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DATE	6/2/2022				JOB NUMBER		
PLOTTED BY	poonk				21A028		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	A. DANNEMILLER						
PROJ. ENGR.	C. ANDERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

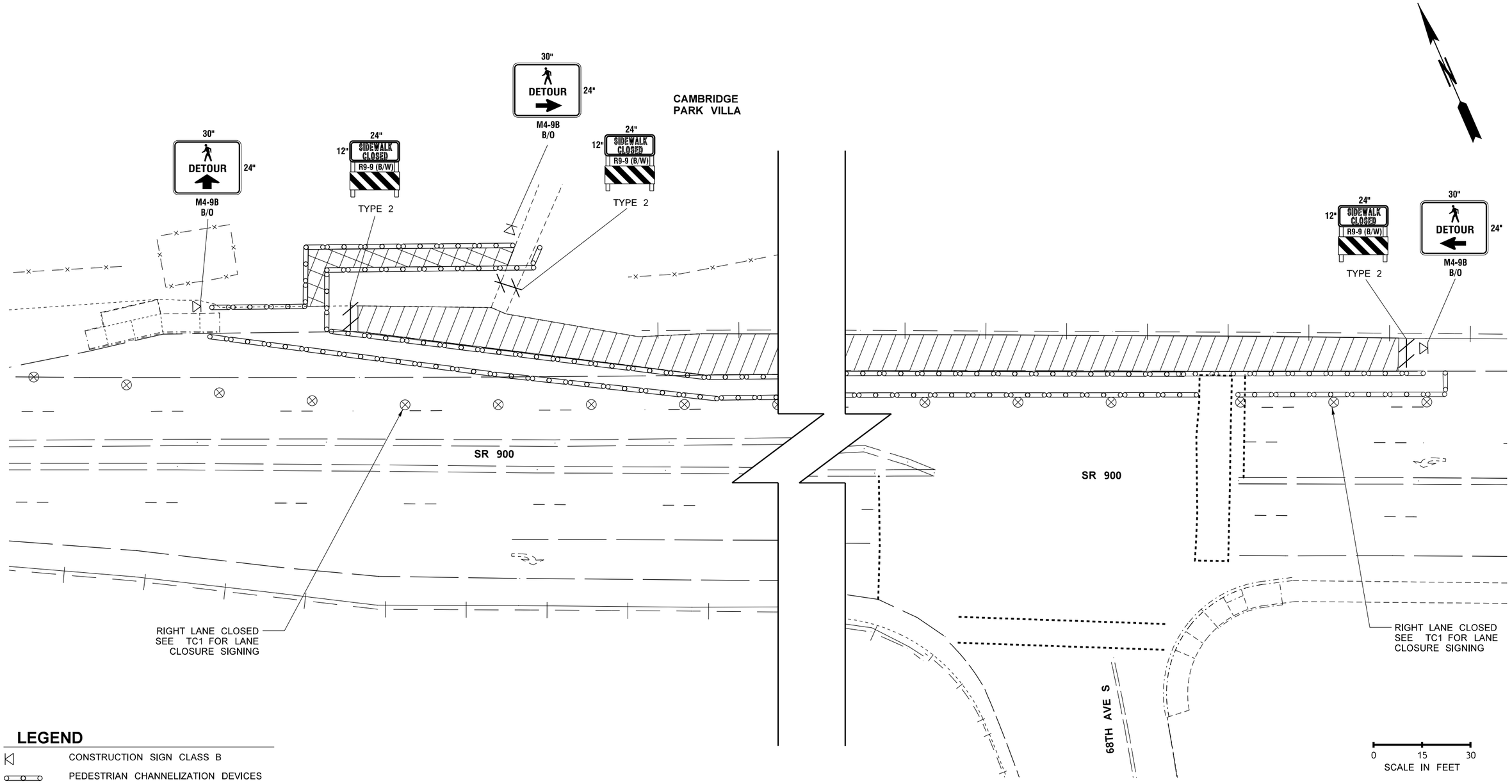
SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

TRAFFIC CONTROL PLAN

Plot 5

PLAN REF NO
TC5

SHEET 27 OF 30 SHEETS



LEGEND

- CONSTRUCTION SIGN CLASS B
- PEDESTRIAN CHANNELIZATION DEVICES
- TYPE 2 BARRICADE
- COMMERCIAL HMA
- WORK AREA
- TEMPORARY PEDESTRIAN RAMP

NOTES:

1. A MINIMUM 48" WIDE PEDESTRIAN PATH SHALL BE MAINTAINED.
2. SEE TRAFFIC CONTROL PLANS FOR ADDITIONAL INFORMATION.
3. CONTACT AND COORDINATE IMPACTS WITH METRO TRANSIT PRIOR TO IMPLEMENTING ANY CLOSURES.
4. REMOVAL OF COMMERCIAL HMA SHALL BE PAID BY REMOVING ASPHALT CONC. SIDEWALK.

PEDESTRIAN TRAFFIC CONTROL
SR900 / 68TH AVE S - PHASE 1

NOT TO SCALE

FILE NAME	\\wsdot.loc\nw\CAE_DATA\412348\XL6312 - SR 900 Pedestrian Safety\CAD\ContractPlans\XL6312_PS_47PTC.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
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Washington State Department of Transportation

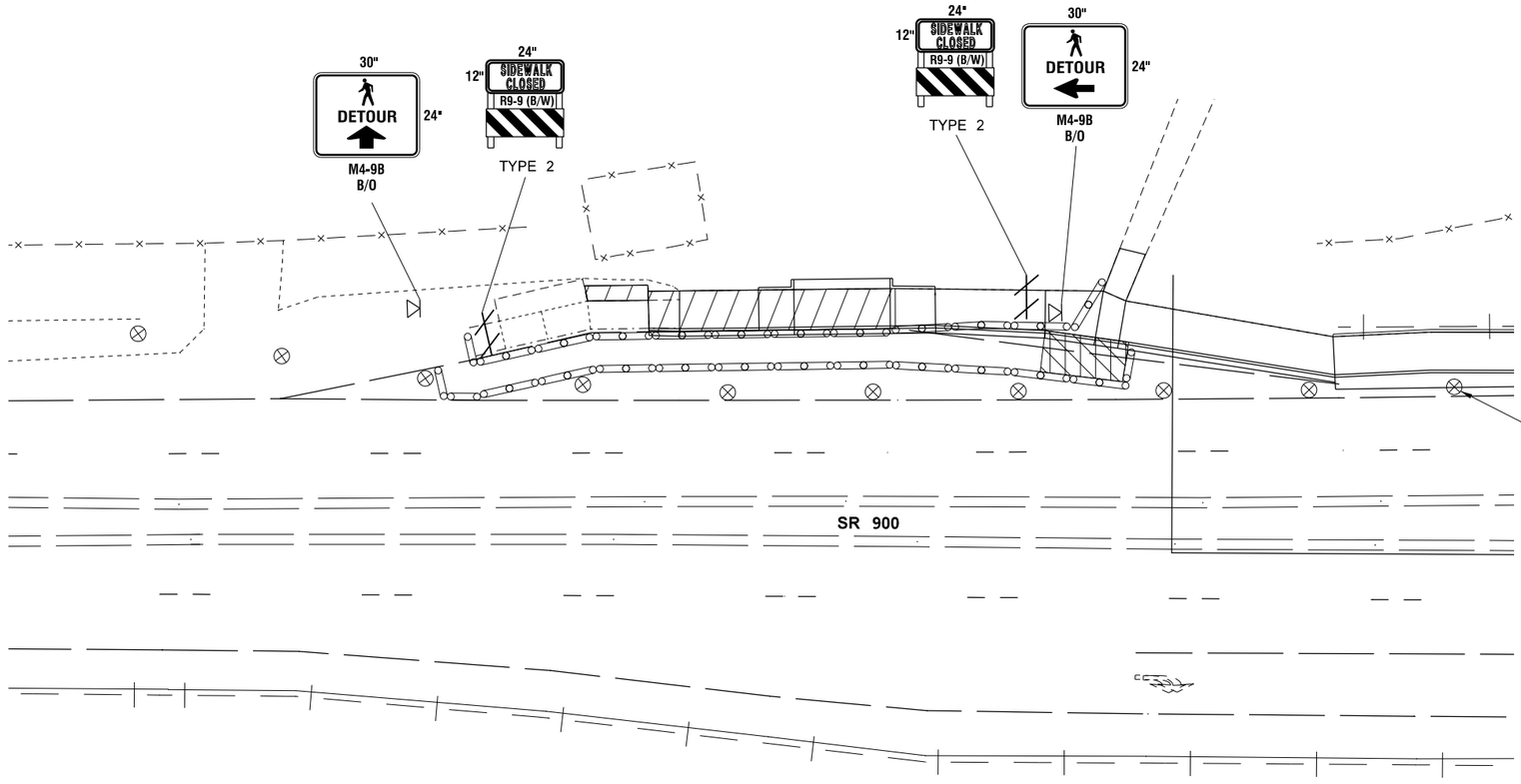
SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

PEDESTRIAN TRAFFIC CONTROL

Plot 1

PLAN REF NO
PTC1

SHEET 28 OF 30 SHEETS



LEGEND

- CONSTRUCTION SIGN CLASS B
- PEDESTRIAN CHANNELIZATION DEVICES
- TYPE 2 BARRICADE
- COMMERCIAL HMA
- WORK AREA
- TEMPORARY PEDESTRIAN RAMP

NOTES:

1. A MINIMUM 48" WIDE PEDESTRIAN PATH SHALL BE MAINTAINED.
2. SEE TRAFFIC CONTROL PLANS FOR ADDITIONAL INFORMATION.
3. CONTACT AND COORDINATE IMPACTS WITH METRO TRANSIT PRIOR TO IMPLEMENTING ANY CLOSURES.
4. REMOVAL OF COMMERCIAL HMA SHALL BE PAID BY REMOVING ASPHALT CONC. SIDEWALK.

PEDESTRIAN TRAFFIC CONTROL
SR900 / 68TH AVE S - PHASE 2

NOT TO SCALE

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SCALE IN FEET

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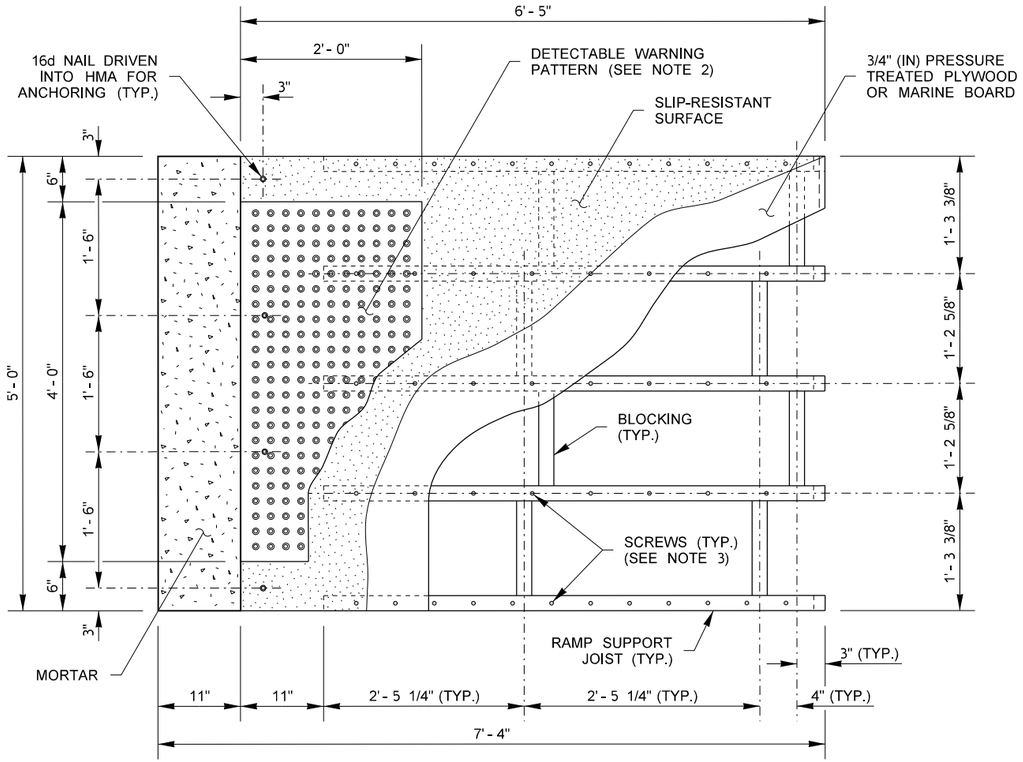
Washington State Department of Transportation

SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

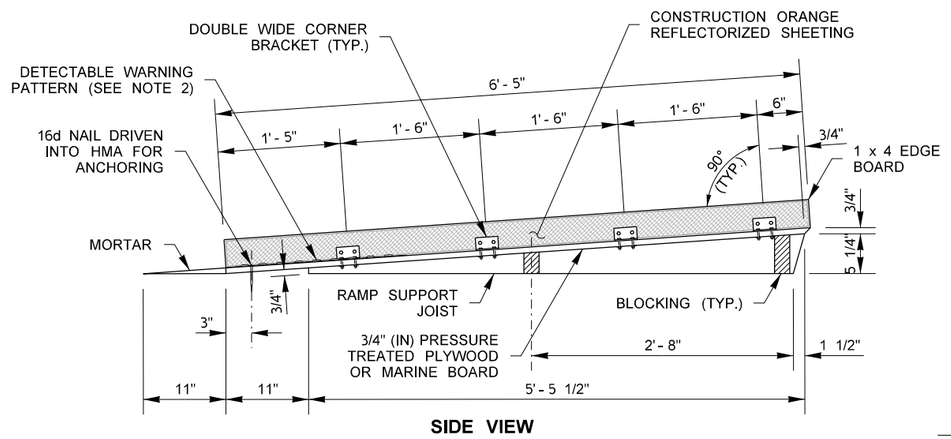
PEDESTRIAN TRAFFIC CONTROL

Plot 2
PLAN REF NO
PTC2
SHEET 29 OF 30 SHEETS



TOP VIEW

RAMP DETAIL

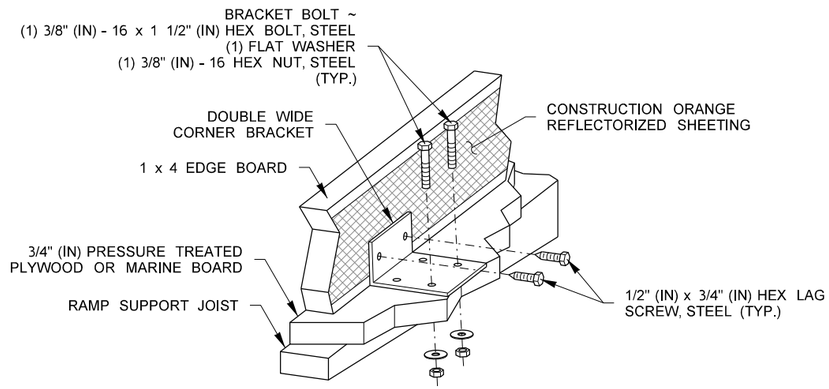


SIDE VIEW

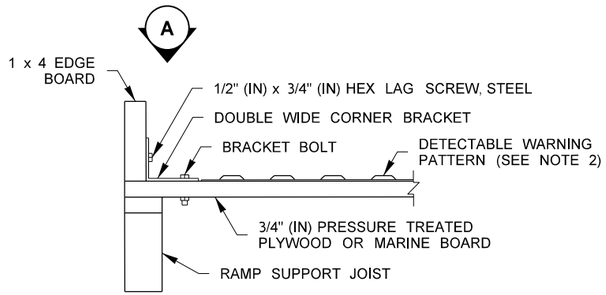
RAMP AND EDGE BOARD

NOTES

1. THIS DESIGN ASSUMES OPTIMAL CONDITIONS AND A STANDARD CURB HEIGHT OF 6" (IN). INSTALLED RAMPS SHALL BE NO STEEPER THAN 12H : 1V, AND SHALL HAVE A CROSS-SLOPE OF 2% OR LESS. USE SHIMS OR GROUT AS REQUIRED TO ADJUST FOR EXISTING CONDITIONS AND TO PREVENT ROCKING. SHIMS SHALL BE NO HIGHER THAN 1" (IN), AND SHALL BE SECURED TO THE RAMP. FOR CURBS SHORTER THAN 6" (IN), INSTALL A RAMP ON THE SIDEWALK, NO STEEPER THAN 12H : 1V, MADE OF GROUT OR AS APPROVED BY THE ENGINEER. ADJUSTMENTS TO THE RAMP DIMENSIONS SHOWN MAY BE REQUIRED TO MATCH EXISTING CONDITIONS.
2. THE DETECTABLE WARNING PATTERN SHALL BE INSTALLED ONLY WHEN THE INTENT IS TO GUIDE PEDESTRIANS DIRECTLY ACROSS THE ROADWAY (CROSSWALK). SEE **STANDARD PLAN F-45.10-02** FOR DETAILS.
3. SCREWS SHALL BE USED TO SECURE THE RAMP SURFACE. SPACING SHALL BE IN ACCORDANCE WITH THE CURRENT BUILDING CODE.
4. USE A SLIP-RESISTANT TREATMENT FOR THE SURFACE OF RAMP.
5. ALL FASTENERS SHALL BE GALVANIZED.
6. DO NOT INSTALL A HAND RAILING IF USING THE EDGE BOARD OPTION.



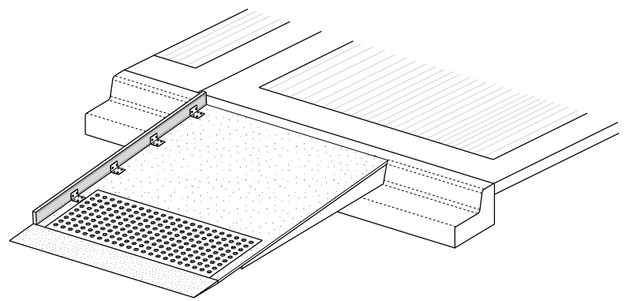
PERSPECTIVE VIEW



END VIEW

EDGE BOARD ATTACHMENT DETAIL

DETAIL (A)



ISOMETRIC VIEW

TEMPORARY CURB RAMP

NOT TO SCALE

FILE NAME	\\wsdot.loc\nw\CAE_DATA\412348\XL6312 - SR 900 Pedestrian Safety\CAD\ContractPlans\XL6312_PS_47PTC.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	5:06:24 PM						
DATE	6/2/2022						
PLOTTED BY	poonk						
DESIGNED BY	K. POON				JOB NUMBER 21A028		
ENTERED BY	K. POON						
CHECKED BY	A. DANNEMILLER				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	C. ANDERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

SR 900
68TH AVE S VICINITY
PEDESTRIAN SAFETY - PHASE 2

PEDESTRIAN TRAFFIC CONTROL

Plot 3

PLAN REF NO PTC3

SHEET 30 OF 30 SHEETS